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ABSTRACT

This document is the second part of the report of the African Education Research (AER) project. It presents a classification of 416 research projects undertaken by Africans on education issues in Africa during the period from 1970 to 1974. It is designed to provide Africans and Africanists with a resource to assess the state of the art and to guide further study of the issues and problems of African education. Each project entry includes: (a) project number; (b) country or area of research focus; (c) research topic; (d) descriptors, which are cross referenced in a separate section of the document; (e) dates of the study; and (f) the institution which sponsored the research. Where possible, project publications and funding sources are noted, and a summary of the methods, aims, scope, and findings of the research project is included. (Part one of the AER report describes the development of the classification scheme, and Part three is a listing of information resources for African education.) (HMD)

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AFRICAN EDUCATION RESEARCH

PART TWO

PROJECT CLASSIFICATION

BY

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INTRODUCTION

This is the second of three parts of the African Education Research (AER) project. It presents a classification of 416 research projects undertaken by Africans over the period 1970-1974 on education issues in tropical Africa. The classification is cross-indexed by African researchers, institutions, descriptors, and geographical locations. It is designed to provide a resource to Africans and Africanists to assess the state of the art and guide further study of the issues and problems of African education.

Data have been collected from sources in Africa, Europe and America. Principal sources of information are listed and acknowledged in Part One. There is no pretense that this listing of projects is exhaustive. By its very nature, continuous updating is essential to maintaining the currency and utility of a directory of research. It is hoped that the present effort can demonstrate the value of a recurring AER project.

HOW TO USE THE PROJECT CLASSIFICATION

To use the Classification, follow the "Key to Project Entries" presented on the page immediately preceding the project listings. The Key itemizes ten categories of information that may be presented for each project. Though the full range of information is not available for each entry, the order of presentation is consistent throughout the listing.

All project entries include (a) the project identification number (PIN), ranging from 1-416, (b) a two-letter abbreviation indicating the country or area of research focus, plus a four-digit Issue-Target-User (ITU) Code explained below, (c) the project topic[1], (d) the descriptors which are cross-referenced in the Index of Descriptors, (e) the period of the project to the extent known, (f) the project researcher(s), and (g) the institution(s) under whose auspices the project was undertaken.

Where possible information on the following is also provided: (a) a summary with additional descriptors of the aims, scope, methods and, occasionally, a brief statement of the findings, (b) reference to project publications, and/or (c) funding sources.

Projects are listed by country or area in the first instance. This has been done because most projects are country-specific or region-specific, i.e. concerned principally or exclusively with a well defined political unit. Data retrieval by researchers and other users can be facilitated by geographical organization. The Table of Contents indicates the countries and areas included.

Immediately preceding the project topic in each entry is a six-digit code consisting of two letters and four numbers, e.g. Kn-3424. The two letters

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[1] Project topics have in some cases been adapted from exact project titles to conform to the descriptors used in the *UNESCO/IBE Education Thesaurus*, (Paris: UNESCO, 1937), 199p.

signify the country/area abbreviations as noted in the Table of Contents of Part Two. The four numbers constitute the Issue-Target-User (ITU) Code. The first two digits indicate the issue focus of the project, the third codes the target group under study, and the fourth notes the intended principal user of the research. The ITU Code numbers may range from 1001-7541, and are ordered numerically under each geographical designation. The number can be decoded by using the "Key to the ITU Code - Education Research Classification - (Third Approximation)." For example, Kn-3424 indicates a project on Kenya (kn), focused on the issue of manpower supply and demand (34), aimed at the secondary school level (2), and having a government administration as its principal intended user (4). The Code attempts to subjectively assess the answers to three important questions about the project:

What issue is the research addressing?

What target group is under study?

Who is the intended principal user of the research?

Part One discusses the rationale behind the Classification.

African researchers and project-related institutions noted in the project entries are cross-referenced in separate indices using the PIN and ITU designations. Researchers are listed alphabetically in the Index of African Researchers. Institutions undertaking and funding research are indexed jointly in the Index of Institutions. Generally, the last word in each project entry identifies the institution under whose auspices the research has been done.

Descriptors are taken from the English edition of the *UNESCO/IBE Education Thesaurus* and are indexed alphabetically. Each descriptor has a standard meaning given in English and translated to French.[2] Descriptors which are listed in Index but not in the Thesaurus are indicated by an asterisk (*). The PIN numbers following each descriptor in the Index indicate which projects include the descriptor.

Individual descriptors found in the Index of Descriptors can be employed to reveiw a topic or collate specific types of projects. For example, /Doctoral thesis/is a common descriptor which designates listed research topics that have been pursued at the Ph.D. thesis level or the equivalent. /Questionnaire/ and /interviews/ are descriptors which suggest the methodological orientation of projects. There are also terms relating to the political, economic and social contexts of education (/socioeconomic background/, /educational demand/, /employment/), instruction (/curriculum/, /pedagogy/), administration (/budgeting/, /admission requirements/), facilities (/classrooms/, /audiovisual aids/), and the content of the educational programs (/modern mathematics/, /psychology/).

Since the *UNESCO/IBE Education Thesaurus* presents faceted lists and clusters of related educational terms, it is an important companion volume to this one for project data retrieval.

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[2] The present classification does not differentiate between the singular and plural of descriptors, as is done in the *UNESCO/IBE Education Thesaurus, ibid.*

For example, if one decided to locate projects concerned with instruction in the mother tongue, one would first look up the descriptor /mother tongue/ in our Index of Descriptors and locate the projects. He could then go to the *Thesaurus* to find additional related descriptors in the faceted array containing /mother tongue/, viz. /bilingualism/, /language/, /language planning/, /language usage/, /multilingualism/, /official languages/, and /second languages/. If each of these were checked for projects related to instruction in the mother tongue, one could establish the circumference of project coverage of this subject.

The Index of Descriptors is essentially a retrieval printout using single descriptors. Retrieval of topics with more than one descriptor can be handled much more efficiently by a computerized retrieval system of the type referred to in Part Three. This classified project listing could be converted to any such data retrieval system for faster retrieval on the projects listed.

KEY TO ISSUE-TARGET-USER (ITU) CODE

EDUCATION RESEARCH CLASSIFICATION

(Third Approximation)[3]

Issue (First and Second Digits)

10 /Administration/ and /Educational Development/
- 11 /Planning/ and /Management/ (Expansion)
- 12 /Capital Outlay (for fixed Assets)/, /Buildings/, /Construction Programmes/ (Physical Development)
- 13 /Budgeting/ and /Financial Policy/
- 14 /Personnel/ and /Personnel Management/ (Staffing)

20 /Access to Education/
- 21 /Educational Demand/
- 22 /Educational Opportunity/, /Selection/, and /Admission (School)/
- 23 /Family-School Relationship/
- 24 /Cost/(Limitations to Parents and Students)
- 25 /Women's Education/

30 /Education/ in /Economic Development/
- 31 /Dropout Rate/ and /School Leavers/ (Wastage)
- 32 /Manpower Development/ and /Manpower Needs/ (including Teacher Supply-Demand and Brain Drain)
- 33 /Literacy/ and /Vocational Development/ (Numeracy, Basic Skills)
- 34 /Employment/ and /Migration/
- 35 /Productivity/

40 /Student Evaluation/
- 41 /Tests/ and /Test Construction/
- 42 /Achievement/, /Learning/, and /Performance/Measurement/
- 43 /Personality/, /Behaviour/ and /Attitudes/
- 44 /Cognitive Development/, /Aptitude/, /Intelligence/ and /Perception/
- 45 /Careers/, /Counselling/, /Aspirations/ and /Guidance/
- 46 /Physical Development/, /Nuitrition/ and /Health/

50 /Teaching/
- 51 /Educational Principles/ (Foundations)
- 52 /Pedagogy/ (Methods)
- 53 /Preservice Education/ and /Inservice Teacher Education/
- 54 /Teacher Attitudes/ (Problems and Professionalism)
- 55 /Classroom Environment/, /Social Relationships/ and /Racial Integration/

60 /Communications/
- 61 /Language/, /Language Arts/ and /Language Planning/
- 62 /Curriculum Planning/, /Curriculum Development/ and /Curriculum Evaluation/
- 63 /Extension Education/, /Mass Media/ and /Correspondence Tuition/
- 64 /Audiovisual Communication/ (for the Classroom)
- 65 /Libraries/ (Teacher Media Centres)

70 /Political Education/ and /Social Policies/
- 71 /Educational History/
- 72 /Political Socialization/
- 73 /Social Integration/ and /Social Systems/
- 74 Indigenous Philosophy and Educational Values
- 75 /Moral Values/ and /Religious Education/

Level of Study Target Group (Third Digit)

0 General, Multilevel or Unspecified by level
1 /Preprimary Education/ and /Primary Education/
2 /Secondary Education/ (All Postprimary and Pretertiary Formal Schooling)
3 Tertiary Education (/Higher Education/ including /University/, Polytechnic and Advanced Teacher Training)
4 Extra-Systemic (/Non-formal Education/, /Informal Education/ and /Adult Education/)

Intended Principal User (Fourth Digit)

1 Degree-Related User
2 Individual-Academic Community
3 /Institution/
4 /Administration/ (/Governments/)
5 General Public (National)
6 International User

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3 Issue items set off by // are terms listed in *THE UNESCO/IBE Education Thesaurus, ibid.*

Key to Project Entries

1 Project Identification Number (PIN)

2 Country/Area on which research is focused, and Classification using Issue-Target-User code (see ITU Classification)

3 Project Topic

4 Description (Aims, Scope, Methods)

5 Descriptors (e.g., /career planning/); (see Index of Descriptors)

6 Period of Project

7 Project Publications

8 Funding Sources

9 Researcher(s)

10 Institution

1 — KEN:A
56 — (Kn-3424) /Education/ and /Employment/:
2 — A Study of /Kenya/n Secondary /School Leavers/.
3 — /Followup study/ using /sampling/ of /secondary school/ and /university/ leavers. Considers absorption by the /labour market/, /family background/s, and formation of /career choice/s. Records on employment and /training/ histories of form four leavers over 1965-1968 were studied,
4 —
5 — /questionnaires/ administered to a sample. Intended to test feasibility of regular /tracer surveys/ within secondary schools to improve /career planning/ and /curriculum development/.
6 — (1st Phase: 1965-1968; 2nd Phase: 1969-1973).
7 — Publications: H.C.A. Somerset, "Educational Aspirations of Fourth Form Pupils in Kenya," *IDS Discussion Paper II?* (Nairobi: IDS, 1971), 45p; and P.K. Kinyanjui, "Education, Training and Employment of Secondary School Leavers in Kenya," *Education in Eastern Africa, II*,(1971), 3p.; also issued as *IDS Discussion Paper I38*,34p.
8 — Funding: IDS/Nairobi, IDS/Sussex, and OLC.
9 — H.C.A. Somerset and P.K. Kinyanjui, *et al.*
10 — IDS/Nairobi.

AFRICA

1 (Af-1001) /Institution/al Evolution of UNESCO and its Repercussions on the /Development/ of Education in Black /Africa/.
/Doctoral thesis/. (1971). P. Yoko. FDSE.

2 (Af-1003) /Educational Planning/ in / Commonwealth/ Countries in /Africa/.
Study of /educational aims/ to discover trends and similar traditions. (1970-1972). S.N. Nwosu. Education, Nsukka.

3 (Af-1032) /Comparative Analysis/ of /Africa/n /Universities/.
Using /documents/ and /statistical analysis/. (1969-1973). L.E. Missine, O. Mankondo. Sciences psychologiques et pédagogiques, UNAZA.

4 (Af-1404) Africanization of Education: A Critical View of Aims, Structures and Content of Education in Selected /Africa/n Countries.
/Comparative analysis/ of the /philosophy/es of education among several African nations concerning /staffing/ patterns and progress towards indigenization. Countries not indicated. Secondly, these normative data will be contrasted with actual systems of /educational administration/ and /curriculum/ content to determine degree of /achievement/ of /educational objectives/. (1973-1974). Funding: personal. E.E. Ekuban. Education, Cape Coast.

5 (Af-3106) /Evaluation/ Study of /Unemployment/ Among /School Leavers/ in /Africa/.
(1971-1972). S.I. Edokpayi. ECA.

6 (Af-3202) /Evaluation/ Studies of Relationship of /Manpower Development/ to Developments in /Africa/n /Universities/ and /Secondary Schools/ and in /Adult Education/.
(1972-1976). S.I. Edokpayi. ECA.

7 (Af-3226) Studies of Middle-Level /Manpower Needs/ and of /Secondary School/ /Enrolment/ and Output in Selected /Africa/n countries.
(1971-1973). S.I. Edokpayi. ECA.

8 (Af-3231) /Arica/n Intellectuals Abroad: Concerns and Commitments to Educational Change in Africa.
/Sampling/ of /students/ from /Ethiopia/, /Kenya/, /Ghana/, and /Nigeria/ enrolled in /universities/ in the /United States/ Pacific Coast region. /Questionnaires/ and /statistical analysis/ were used. Indigenous African universities were seen as instruments for national /development/ and as the place for resolving African problems. /Occupational surveys/ included. /Doctoral thesis/ based publication. (1970). Publication: "Occupational Preferences of African Students in the United States of America: Their Implications for Nation Building," *West African Journal of Education*, XVII, (February, 1973), 17-24. J. Adwere-Boamah. Education, Berkeley, California.

9 (Af-4431) Curricular Offerings in /Africa/n Studies and /College Students/ /Attitudes/ toward Africa; Its Peoples and /Cultures/.
/Doctoral thesis/ about /curriculum/. (1971-1972) S.O. Jiboku. Education, Purdue.

10 (Af-4531) Effectiveness of Two Modes of /Counselling/ in Assisting /Africa/n /Students/ to Adjust to the General /University/ Environment.
/Doctoral thesis/ selected 49 students for experiment. Comparison made between those in two different groups: Those with counselling and those without. Those students in the /experimental group/ with /counsellors/ had less difficulty adjusting than those in the /control group/. Guided Inquiry (Mode I) and Advisory (Mode II) counselling were used. The effect of /race/, /personality/ of counsellor, and the difference between internal and external counsellees was studied. Counsellees perceived White counsellors as more effective than Black counsellors, but in terms of attainment of /behavioural objectives/ there was no significant difference in mode of counselling, race, or personality. External counsellees seemed to attain more behavioural objectives. (1970). M.S. Olayinka. Education, UCLA.

11 (Af-5106) /Afrıca/n Foundations of Education.
Compilation of /case studies/ and articles on /philosophy/es of education which underlie /teacher education/ and /educational systems/ in Africa; intended for use in /teachers colleges/ and /universities/ in /Anglophone Africa/. (1971-1974). Funding: ATEA and Carnegie Corporation. E.A. Yoloye. Education, Ibadan. S.N. Nwosu. Education, Nsukka. May-Parker (Mrs), Mjala.

12 (Af-5306) /Educational Innovations/ in /Continuing Education/ of /Teachers/ in Countries of /Francophone Africa/.
Covers /teacher qualifications/ and all aspects of /inservice teacher education/, organization, /programmes/, new/teaching techniques/, /incentive systems/, nature of /teacher educators/, /programme costs/, problems, and innovatory projects which have been developed. /Questionnaires/ and /field studies/. (1973). Carried out by BREDA; to be a BREDA publication. B. Kamian and J. Blat-Gimeno. BREDA/UNESCO.

13 (Af-6213) Development of /Instructional materials/ for Fostering the /Cognitive Development/ of /Africa/n /Children/.
Development of teaching materials for /pre-primary children/ and /primary school students/ based on the principles of the Headstart Program and the /television/ Sesame Street series. The products will be in the form of workbooks and specially designed /toys/ suitable for easy diffusion to remote areas. Includes /teacher education/ and /parent education/ in use of materials. Based in /Nigeria/. (1972-?). C.G.M. Bakare. Education, Ibadan.

14 (Af-6224) Keele Integrated Studies Project on Integration of the Humanities into /Secondary Schools/.
Aim is to explore problems and possibilities of integration of the /humanities/ into /secondary school curriculum/. /Multi-media instruction/ is planned for six broad topics in 33 /schools/ in /Ghana/, /Kenya/, and /Nigeria/. /Programme evaluation/ will involve assessment of materials; problems of /school organization/ and /teaching-/ /learning theories/. (1968-?). Publications: Curriculum units, Oxford University Press.

Funding: Schools Council, Local Education Authorities, Overseas Development Administration-Overseas Fellows. D.W. Bolan, D.R. Jenkins, M. Brocksbank, G. Hartley, A. Townsend, R. Asiedu, Z. Kan, G. Falade. Education, Keele.

15 (Af-6346) /Adult Education/ and /Literacy/ in /Africa/.
A study of the main educational trends in /out of school education/ and /training/ in Africa, covering the activities of both public and private sectors, /educational trends/,/educational aims/, methodology, /financial support/ and possibilities of expansion of /adult education programmes/ and /literacy programmes/. Carried out by /BREDA/ with /questionnaires/ and /interviews in the countries. (1973). B. Kamian. BREDA/UNESCO.

16 (Af-6346) Correspondence Education in /Africa/. /International survey/ and analysis of /correspondence courses/ in education units in /Francophone Africa/ and /Anglophone Africa/. Followed /conference/ at INADES, Abidjan in 1972 and resulted in creation of African Association of Correspondence Educators. (1971-1973). Publication: *Correspondence Education in Africa*. (London: Routledge and Kegan Paul, 1973), 172p. Funding: UNESCO and International Extension University, Cambridge. A. Kabwasa and M. Kaunda. INADES.

17 (Af-6403) Traditional /Africa/n Technology/ and its Implications for /Science/ /Teaching/. /Survey/ local /industrial technology/ for relevance to processes and /scientific principles/ that could make present teaching more economical and efficient. (1973-1975). M.J.A. Cole. Science Curriculum Development Centre, Njala.

18 (Af-7402) Educational /Values/ and /Africa/n /Development/.
/Doctoral thesis/ study of values placed on education by Africans, and assessment of /educational policies/ that have been directed towards /economic development/. Concludes that value conflicts are the principal developmental obstacles. (?-1971). U. Onwuka. London.

19 (Af-7501) Analysis of the Necessity for Theocentrism in /Educational Philosophy/ with Particular Reference to Emergent /Africa/.
/Doctoral thesis/ study which attempts to demonstrate the necessity for preserving the "religious spirit of traditional Africa" in education. /Religious factors/ in traditional life are catalogued and analyzed. Suggestion that African /nationalism/ must go hand in hand with humanistic values based on /religion/. (1969-1970). Rev. F.F.C. Okafor. Religion, Catholic University.

EASTERN AFRICA

20 (EA-1032) Crisis of Relevance in /East Africa/n /Universities/ (A Study of the Dominant Theses in the Debates on Reform in /Uganda/, /Kenya/ and /Tanzania/).
(1971-?). A.A. Mazrui. Political Science, Makerere.

21 (EA-4102) Cognition of Behavioural Units (Faces) -- in /East Africa/n /Students/.
Composition of a /Cognitive test/ to ascertain whether /perception/ of facial expressions is to be found in East African /cultures/. Preliminary /test/ of 24 items used on /university/ students. Final test consists of 11 items. Similar to a test constructed by author for /West Africa/ in 1963. (1966-1971). Funding: Educational Psychology, Makerere. H. El-Abd. Educational Psychology, Makerere.

22 (EA-4103) Construction and Application of /Intelligence Tests/.
Includes revision of the Oliver Test for application in /East Africa/ and the Lule Non-Verbal Intelligence Test, for application in /Africa/ (Latter has been used in /educational research/.) The General /Verbal/Ability Test/, devised by the writer, has been used in the /schools/. (1965-?). Funding: Educational Psychology, Makerere. H. El-Abd. Educational Psychology, Makerere.

23 (EA-4302) Application of Cattell's Seventeen Personality Factor / Questionnaire / to /East Africa/n /Students.
/Personality tests/, factor analysis of the data was carried out. Each of Cattell's factors with the exception of two, was found to have a high loading on one of the eight Varimax factors emerging from the data: A,F, and H on factor I, extraversion; M on II, eccentricity; G and N on III, conscientiousness vs. sophistication; I and IV, sensitivity; O and Q on V, anxious insecurity vs. radicalism; B on VI /intelligence/; C and E on VII, maturity vs. dominance; Q4, Q2, on VIII, tension vs. self-sufficiency. /Personality studies/ and /background characteristics/. (1965-1971). Funding: Educational Psychology, Makerere. H. El-Abd. Educational Psychology, Makerere.

24 (EA-4332) Application of Cattell's Sixteen /Personality/ Factor /Questionnaire/(Form C) to /East Africa/n /University/ /Students/ and /Adult/ /Correspondence Course/ Students.
Study using the IPAT personality questionnaire developed by R.B. Cattell, based on a /sampling/ of undergraduate students at Makerere /Uganda/ and a cohort group of adults taking correspondence courses. Will provide basis for /comparative analysis/ of personality. /Personality studies/ and /background characteristics/. (?-1971). S.N. Kajubi. Social Science, National Institute of Education, Makerere.

25 (EA-4422) Concept of /Intelligence/ in /East Africa/.
An investigation of the East African interpretation of cleverness using one group of /university/ /students/ to construct categories of intelligence and another group to validate them. Predominant components were found to be wisdom and /problem solving/ /ability/. Implication of the study is

EASTERN AFRICA (continued)

that the Western concept of intelligence is relevant to East African /cultures/, but cannot be measured by Western instruments without appropriate modifications. (1967-1970). Funding: Educational Psychology and Institute of Education, Makerere. H. El-Abd. Educational Psychology, Makerere.

26 (EA-4422) /Mathematic/al /Ability/ of /East Africa/n /Students/.
The study was divided into three parts: (a) significant correlations between Ballard Test of /Arithmetic/ Reasoning and marks from /teachers/ examinations in /English/ and mathematics; (b) an analysis of group factors in mathematical ability using thirteen tests and mathematics examination marks, (Factors with some relations to the maths examination marks were the numerical factor and the general reasoning factor); (c) a factor analysis of the thirteen tests and the maths exam, (The maths exam marks were found to relate to the numerical facility factor, the deductive reasoning factor and the visualization factor). (1965-1971). Funding: Educational Psychology and Institute of Education, Makerere. H. El-Abd. Educational Psychology, Makerere.

27 (EA-4502) /Comparative Analysis/ of /Counselling/ and /Guidance Programmes/ in /East Africa/ (/Ethiopia/, /Somalia/, /Uganda/, /Tanzania/, /Kenya/, /Zambia/.
(1972). Sponsored by UNESCO. W.I. Samaan. Education, Dar-es-Salaam.

28 (EA-5344) Utilizing /Correspondence Course/ Study for /Teacher Education/ in /East Africa/.
/Comparative analysis/ of the development of four /correspondence school/ /programmes/ in /Uganda/ and /Kenya/: the Correspondence Unit's Unqualified /Teachers/ Programme and Licenced Teachers Programme of Makerere University programme of the Correspondence Unit of the University of Nairobi, and the Kenyan Ministry of Education's Unqualified /primary school teachers/ /programme/. Will look at /extension education/ as an alternative to increasing formal education facilities for teacher training. (1973-1975). Funding: Makerere, partial F. Nabwiso-Bulima. Education, Wisconsin.

29 (EA-6102) Socio-political Implications of /Language/ /Policy/es with Special Reference to the Roles of /English/ and Swahili in /East Africa/.
Arising from the /Survey/ of Language Use and Language /Teaching/ in Eastern Africa. (1966-?). A.A. Mazrui. Political Science, Makerere.

30 (EA-6104) /Survey/ of /Language Usage/ and /Language Teaching/ in /East Africa/.
Country surveys have been conducted in /Ethiopia/, /Kenya/, /Tanzania/, /Uganda/, and /Zambia/. (1968-1974). Funding: FORD Foundation. LAEA: see (Zb-6104).

31 (EA-6301) Correspondence Education in Central East Africa.
/Doctoral thesis/ study of /correspondence courses/ in /East Africa/ and their development since 1930. Consideration given to its limitations, organization, methodology, and the potentialities for the future. /Educational history/, /Rhodesia/ and /Zambia/. (1964-1970). M.A. Wakatama. Education, London.

32 (EA-6341) Comparative Study of Adult and Correspondence Education at Haile Sellassie I University (1962-1972) and the University of Zambia (1965-1972).
/Comparative analysis/ of /correspondence courses/ for /adult education/ run during comparable periods in /Ethiopia/ and /Zambia/ by the respective /universities/ of these countries. Will compare experience of the unsubsidized education of the former with the partially subsidized programme of the latter. (1971-1974). Funding: UNESCO, partial. W. Kaunda. Education, Wisconsin.

33 (EA-7031) Examination of the Functions of the /University/ of /East Africa/ in Relation to the Needs of the People.
/Doctoral thesis/ study of /educational history/ of University of East Africa and how it met the social, political, and economic needs of the people of /Kenya/, /Uganda/, and /Tanzania/ in order to make recommendations for the three national universities to be formed after the break-up of the University of East Africa in July, 1970. Recommendations made concerning universities which are more attune to needs of Africans, /admission requirements/, /tests/, cooperation with the /central government/ in matters of national /development/, /evaluation/ teams, faculty titles, fund raising, and a /work-study programme/ to keep the /students/ in touch with needs in the society. /Interviews/. (1970). A.V.E.P. Mbirika. Education, NYU.

34 (EA-7103) /Educational Development/ in /East Africa/ 1939-1960.
/Survey/ of /educational history/ of East Africa for use as /instructional material/ in /schools/. /Curriculum development/. (1970-1973). Funding: Makerere. J.C. Ssekamwa. Education, Makerere.

BOTSWANA

35 (Bo-4112) Effects of /Incentive Systems/ on the /Test/ Taking /Behaviour/ of /Botswana/ /Primary School Children/.
/Students/ from three primary schools in Gaborone included in study. Five different types of incentives were given to /experimental groups/. No significant difference was found between their performance and that of the /control groups/ except that the experimental group with the immediate "knowledge-of-result" incentive did more poorly on the "Marking Test" than did the control group. This final result could have an effect on the use of /programmed learning/ in Botswana. (1972). Publication: *West African Journal of Educational and Vocational Measurement*. I, (February, 1973), 35-47. P.F. Cook and M.R. Molomo.

ETHIOPIA

36 (Et-1001) Descriptive Analysis of the /Administration/ of Education in Transition in /Ethiopia/.
/Doctoral thesis/. (1969-1970). Lulseged Alemayehu. Education, USC.

37 (Et-1002) Monograph on the Quran /School System/ in /Ethiopia/.
/Koranic education/. (1971). Haile Gabriel Dagne. Education, HSIU.

38 (Et-1004) /Followup Study/ of the 1961 Addis-Ababa Education /Conference/ of /Africa/n States: Implications for /Ethiopia/.

ETHIOPIA (continued)

Discusses the short and long term plans for the 1961 conference, how much they cost, the 1968 Nairobi, /Kenya/ Conference, future projections, and the implications for Ethiopia. Covers all levels of education, and such subjects as /school leavers/, /enrolment trends/, education finance and /women's education/. (1971). Publication: "A Follow-up Study of the 1961 Addis Ababa Education Conference of African States: Implications for Ethiopia," *Dialog: A Publication of the Ethiopian University Teachers' Association*, III, (July, 1971), 41-56. Teshome G. Wagaw. Education, HSIU.

39 (Et-1104) Institute of Education: A Proposal for a Mechanism for /Supervision/ and Improvement of the /Instructional Programme/ in /Ethiopia/n /Schools/.
/Doctoral thesis/ study done for Ethiopian /government/. Plan for setting up and evaluating function of institute to supervise all education. Suggestions on how institute might deal with /textbook/ development and /teacher shortage/. (1969-1970). Gabre Sellassie Ayalew. Education, Columbia.

40 (Et-1124) /Relationship/ between the /organization/al Climate of the /Secondary School/ and the Leader /Behaviour/ of the Secondary School /Principal/ in Central /Ethiopia/.
/Doctoral thesis/ on various /leadership/ /models/ used by American /researchers/ on educational systems, adapted to Ethiopian context. Concern is directed at the /personnel/ systems and /governmental structure/ of Ministry of Education in Ethiopia. /Questionnaires/ will be distributed to a /sampling/ of /government/ and non-government /schools/ to test hypothesis that principals of the latter are more open behaviourally than the former. (1973-1975). Funding: HSIU, USAID, and Ford Foundation. Zaudneh Yimtatu. Education, Wisconsin.

41 (Et-2002) /Private Schools/ in Addis Ababa /Ethiopia/.
Investigation of the reasons why private (non-government funded) schools in Addis Ababa have grown so rapidly. Possible variables include the shortage of places in government /schools/, awareness among the public of the importance of education, easy availability of /teachers/ and the ease with which a private school can be started. /Access to education/. (1971). Publication: "A Look at the Private Schools in Addis Ababa," *Ethiopian Journal of Education*, IV, (June, 1971), 17-27. Zaudneh Yimtatu. HSIU.

42 (Et-2002) Social Dependency in /Ethiopia/.
Study discusses the numbers of ways in which Ethiopians are dependent upon authority and the negative results of this overdependence as related to life in general and to education in particular. /Religious institution role/ is emphasized in resolution. /Comparative analysis/ of /access to education/ among those from Catholic, Orthodox (Coptic), and Protestant Christian backgrounds. (1970). Publication: "Social Dependency in Ethiopia," *Ethiopian Journal of Education*, IV, (December, 1970), 4-15. Haile Wolde Michael. HSIU.

43 (Et-3202) /Followup Study/ of Education Faculty /Graduates/ in /Ethiopia/.
/Survey/ of graduates which determined that the majority still work for the Ministry of Education, but more as /administrators/ than as /teachers/; that graduates were concerned about the irrelevancy of much of the Faculty's /curriculum/; that 92% of those who studied abroad, studied in the /United States/; and that most did not regret their occupation; that the curriculum should be Ethiopianized. (1971). Publication: "A follow-up Study of Education Faculty Graduates," *Ethiopian Journal of Education*, V, (December, 1971), 24-61. Tilahun Gamta. HSIU.

44 (Et-5002) /Teachers/ and Directors Speak Out About /School/ Problems.
/Questionnaires/ sent to teachers and /administrators/ at all levels below university. Questions concerned all aspects of school life in /Ethiopia/, including major problems of the school, mode of /textbook/ supply, shortage of staff, use of the /library/, problems of /students/, /discipline problems/, and /parents/ responsibility. (1971). Publication: "Teachers and Directors Speak Out." *Ethiopian Journal of Education*, IV, (June, 1971), 43-67. Teshome G. Wagaw and Dargo Wole. HSIU.

45 (Et-6104) Viability of Using /Mother Tongue Instruction/ in /Ethiopia/n /schools/. (1971). Tesfaye Shewaye. Ministry of Education, Addis Ababa.

46 (Et-6201) Analysis of Selected /Curriculum/ Attributes with Recommendations for /Curriculum Development/ in /Vocational Education/ and /Technical Education/ in /Ethiopia/.
/Doctoral thesis/. (1971-1972). Bakri Abdullahi. Education, Missouri.

47 (Et-6342) /Mass media/ in Ethiopia/.
Ayalew Kanro. Education, HSIU.

48 (Et-7101) Education in the Coptic Orthodox Church: Strategies for the Future.
/Doctoral thesis/, /religious education/, /Ethiopia/. (1970-1971). Maurice Mikhail Assad. Religion, Columbia.

KENYA

49 (Kn-1001) Socio-Economic Determinants of the Regional Distribution of /Educational Resources/ in /Kenya/.
/Doctoral thesis/. (1973-?). D. Mwaniki. Education, Stanford.

50 (Kn-1144) /Comparative Analysis/ of Different National /Youth Programmes/ in /Kenya/, (Structure, Function, /Planning/, and /Administration/ of /Voluntary Agency/ and Non-Voluntary Programmes). (1972-?). Philip M. Mbithi. IDS/Nairobi.

51 (Kn-1324) Per Capita/Unit Costs/ of /Students/ in Different Categories of /Secondary Schools/ in /Kenya/ in 1971-1972.
Part of larger study of "Finance and /Administration/ of Education in Kenya." Intended to aid /educational planning/ for estimating /allocation per student/. (1971-1973). Funding: private. G.M. Nguru. Ministry of Education, Nairobi.

52 (Kn-2202) /Survey/ of Educationally /Handicapped Children/ in /Kenya/.
Determine / student characteristics/ of the /blind/,

KENYA (continued)

/deaf/, mentally /retarded children/ or those who suffer from /speech handicaps/ and the /educational provision/ for these children and /teachers/ of /special education/. Will provide information relevant to establishment of /training/ programmes. Will examine /attitudes/ of general public and teachers toward the handicapped. (1971-?). P.O. Okatcha, Education, Nairobi.

53 (Kn-2502) /Women's Education/ in /Kenya/. /Field study/ using stratified /sampling/s of women to determine /relationship/s between education and /occupational choice/, /social status/, and economic status/. Will build on previous work in Uganda/. (1969-?). A. Maleche, Education, Nairobi.

54 (Kn-3204) Harambee Institutes of Technology. Record and analyse the campaign for setting up Harambee /technical institutes/ in /Kenya/, to assist in /planning/ through provision of information on origins of idea, /organisation/, fund raising, and sequence of planning decisions, projected /manpower needs/ and /manpower development/, /costs/, /staffing/. Eventually this study is to be followed by /tracer survey/ based on /interviews/ with trade testees who have completed /training/ (1971-1974). Publications: E.M. Godfrey and C.G.M. Mutiso, "Political Economy of Self Help: Kenya's Harambee Institute of Technology," *Canadian Journal of African Studies*, VIII, [illegible], and Martin Godfrey, "Training and the Employment Problem: Some Reflections Based on Kenya's Experience," *Manpower and Unemployment Research in Africa Newsletter*, V, forthcoming in 1975. Funding: IDS/Nairobi and IDS/Sussex. C.G.M. Mutiso, E.M. Godfrey, et al., IDS/Nairobi.

55 (Kn-3232) /Teacher Motivation/ and /Teacher Wastage. Using mailed /questionnaires/ and followup /interviews/ the study will assess /teacher mobility/ and the high attrition rate in /Kenya/. Will consider /teacher attitudes/, /perception/ of role, and /socioeconomic backgrounds/. Will followup with /tracer survey/ of /sampling/ of those who have completed /teacher education/. /Manpower development/. (1971-?). A. Maleche, Education, Nairobi.

56 (Kn-3474) /Education/ and /Employment/: A Study of /Kenya/s Secondary /School Leavers/. /Followup study/ using /sampling/ of /secondary school/ and /university/ leavers. Investigate absorption by the /labour market/, /family backgrounds/, and formation of /career choices/. Records on employment and /training/ histories of form four leavers over 1965-1969 were studied and /questionnaires/ administered to a sample. Intended to test feasibility of regular /tracer surveys/ within secondary schools to improve /manpower planning/ and /curriculum development/. (1st Phase: 1965-1968; 2nd Phase: 1969-1973). Publications: M.C.A. Somerset, "Educational Aspirations of Fourth Form Pupils in Kenya," IDS *Discussion Paper III* (Nairobi: IDS, 1971), 48p; and P.K. Kinyanjui, "Education, Training and Employment of Secondary School Leavers in Kenya," *Education in Eastern Africa*, II, (1973), 9., also issued as *IDS Discussion Paper 134*, 39p. Funding: IDS/Nairobi, IDS/Sussex, and IDC.

City Council School pupils. Twenty of the items seemed to effectively differentiate varying single-word-reading / ability/, while ten items were more uniformely difficult for all testees. Results were compared with tests of general reading comprehension. It was concluded that pupils who were trained in and developed new-word-attack skills were better able to comprehend sentences than those who had not. (1970). Publication: KIE, "Thirty Item Single Word Reading Test." KIE.

64 (Kn-4302) Self Esteem as a Determinant of Succes in /School/ in /Kenya/.
(1970?). M. Mwaniki. Child Development Research Unit, Nairobi.

65 (Kn-4412) /Measurement/ of /Cognitive Development/ in Peri-Urban /Kenya/n /Children/.
/Field study/ of /relationship/ between cognitive development and "traditionalism-modernism" in /urban areas/ and /rural areas/. Will use Kohlberg Moral Judgement Stories and Piaget Dream/Interviews/ in measuring differentiatedness of children's thinking in varying home /environments/. (1971). Funding: Carnegie Corporation. R. Logan, L. Galtirira, J. Geteria, and R. Kagia. Child Development Research Unit, Nairobi.

66 (Kn-6102) Swahili /Linguistics/ and Problems of Formulating /National Language/ /Policies/ in /Kenya/.
(1972-?). M. Abdulaziz. Linguistics, Nairobi.

67 (Kn-6202) /Curriculum Development/ Plan and Its Implications for the /Teaching/ or /Geography/. Examination of the African Socialism Sessional paper No. 10 and its application to /planning/ in /Kenya/ and the current Development Plan and the teaching of geography in Kenya as a means of promoting the ideas contained in these documents. Research carried out by /interviews/ and /questionnaires/ sent to a /sampling/ of /institutions/. (1971-1972). E.S. Andahwa. Education, Nairobi.

68 (Kn-6213) /Curriculum Evaluation/ of Safari /English/ /Language/ Materials for /Kenya/n /Primary Schools/.
Safari Book 3 (Standard VI) was /test/ed in 15 schools in /urban areas/ and /rural areas/, using a /sampling/ of 1,000 /students/. Tests were administered in April and November to /experimental groups/, using Straight for English materials. /Evaluation/ was made of how efficiently pupils learned Safari materials, and a /comparative analysis/ was made between efficiency of Safari and Straight for English materials on items judged to be relevant to Straight for English. Results showed generally higher scores for Safari materials; in no case was a control group higher than an experimental group. (1970). Publication: KIE, "Safari Book 3 (Std. VI)," 1970. KIE.

69 (Kn-6221) Proposal for a /Model/ Community-Based /Secondary School/ in Kisumu, /Kenya/.
/Doctoral thesis/ on /curriculum development/ for a model school which will provide for both academic education and /vocational education/. Plan includes /retraining/ of /teachers/ for education more attune with needs of Kenya. End result is to train /youth/ to contribute to needs of Kenya. Includes study of /history/ of Kenya and contemporary problems. (1970). A.O. Onyundo. Education, Pittsburgh.

70 (Kn-6341) /Adult Education/ in South Nyanza, in /Kenya/.
/Doctoral thesis/ study of /socioeconomic status/ as an approach to discovering problems which face /adult educators/ in /rural areas/ in /Kenya/. (1969-1972). J.N. Okach. Education, Nairobi.

71 (Kn-6401) Process and Strategy of Promoting and Developing an Audiovisual Programme in /Kenya/.
/Doctoral thesis/ proposed plan for setting up a National /Education/al Media Resource Center, taking into account the problems of introducing /educational innovations/ into a society. Study of various programmes in the past to promote use of /Audiovisual aids/ and why many failed. Suggestions for strategies and for building and operation and exploration of pertinent variables causing success or failure. (1969-1970). J.A. Bukhala. Education, Syracuse.

72 (Kn-7001) Role and Impact of Self-Help /Schools/ on a /Kenya/n Community of Chinga.
/Doctoral thesis/, descriptive analysis of the Chinga community and its Harambee schools. Includes general /educational history/ of Kenya and a description and analysis of the need for Harambee schools. Conclusions are that there is a need for re-evaluation of the self-help school /curriculums/ their purpose and goals to assure that /students/ attending the school will become community and national assets. Question of how self-help schools can relate better to the non-academic subject areas in a national economy based primarily on /agriculture/. (1970). J.M. Gathuchi SUNY/Buffalo.

73 (Kn-7101) Impact of a /Europe/an Education Upon /Africa/ns in /Kenya/: 1846-1940.
/Doctoral thesis/. After looking at the effect of three European groups, the missionaries, the /farmers/, and the British government and their impact on African education, concludes that the alien groups were mainly concerned with implementing their own interests and that the new educational system of Kenya must incorporate the positive /cultural background/ of both Europe and Africa. (1970). K. Kiteme. Education, Yeshiva.

74 (Kn-7111) Outline of the Historical Development of /Primary Education/ in /Kenya/: 1844-1970.
/Doctoral thesis/ in /educational history/. (1971-1972). N. Njoroge. Education, Ohio.

75 (Kn-7121) Development of /Africa/n /Secondary Education/ in the Republic of /Kenya/: 1924-1968.
/Doctoral thesis/ in /educational history/ of /secondary schools/ which divides their development into three phases (1) a religious phase (2) a humane phase and a (3) communal development phase. The latter has taken place since just prior to independence. Includes a model for /curriculum development/ intended to initiate studies for general improvement of secondary education. (1970). H.K. Githara. Education, Catholic University.

KENYA (continued)

76 (Kn-7412) Akamba Traditional /Education/ and its /Relationship/ with Formal /Primary School/ing. Research on traditional Akamba education and /Kenya/n formal /primary education/ and a suggested synthetic system based on both which offers a continuity of educational ideas throughout the entire educational process. (1969-1971). D.N. Kimilu. Chogoria High School, and Education, Nairobi.

MADAGASCAR

77 (Md-1431) /Higher Education/ and /Staffing/ needs in /Madagascar/.
(1972-?). F. Rajaoson. Paris V.

MALAWI

78 (Mw-2532) Studies of the Adaptation of /Africa/n /Female/s to Modern Life and the /Socioeconomic Background/s of/Malawia/n /University Students/. /Women's education/. Kathleen Myambo. Human Behaviour, Chancellor College, Malawi.

79 (Mw-5431) /Teachers/ Union of /Malawi/.
/Doctoral thesis/ on /Union member/ship and development. /Educational history/ from 1943-1973. (1972-1974). Funding: AASC. B. Harsw. Education, Columbia.

RHODESIA (ZIMBABWE)

80 (Rh-6201) Ecology in a /Biology/ /Syllabus/ in /Rhodesia/.
/Doctoral thesis/. (1971-1972). L. Mhlanga. Education, Columbia.

81 (Rh-7101) The Historical Development of /Africa/n Education in /Rhodesia/: /Administration/ of African Education, 1928-1973.
/Doctoral thesis/ in /educational history/.
(1973-?). N.G. Makura. Education, Illinois.

SOMALIA

82 (Sm-7301) Social Structure and the /Diffusion/ of Schooling in the Process of /Development/.
/Doctoral thesis/ based on /sampling/ of 300 /secondary school students/, /family background/s and /social background/s in /Somalia. (1973-1975). Mohamud Jama. Sociology, Wisconsin.

SUDAN

83 (Sd-1101) /Educational Planning/ with Particular Reference to the /Sudan/.
(1972). N. Sogbi. Philosophy, Leeds.

84 (Sd-3021) /Secondary School/ Education and Socio-economic Development in the /Sudan/.
/Doctoral thesis/ on /socioeconomic background/s and /economic development/. (1969-1970).
I.M.H. Sarhan, Sheffield.

85 (Sd-5341) /Inservice Course/ in support of /UNESCO/ /Mathematics/ Project for the Arab States, including /Sudan/.
/Doctoral thesis/. /Curriculum development/.
(1972). S.A.M.O. Hag el Tom. Education, Columbia.

86 (Sd-5401) /Sudan/ese /Teachers' Attitudes/ toward Educational Change: The Human Factor Impact on /Policy/-Implementation.
/Doctoral thesis/ to determine if teachers favored or did not favor educational change, whether there were significant differences between different categories of teachers, and whether there were significant differences in attitudes of /teachers/ vs. those in /educational administration/. Using /questionnaires/ and /rating scales/ interviewed stratified /sampling/ of 313 teachers. Found great variation in teachers attitudes and considerable complexity of thinking towards educational change. Change tended to be favored more by male teachers (except in the area of/women's education/), foreign-trained teachers, and teachers in modern as opposed to traditional schools. (1970). M.K. Osman. Education, UCLA.

87 (Sd-6331) Study of Characteristics, /Attitudes/, and /Opinions/ of the /Students/ in the College of Agriculture in /Sudan/.
/Doctoral thesis/ about /agricultural colleges/. /Questionnaires/ were administered in four undergraduate classes in College of Agriculture, /University/ of Khartoum during fall of 1967-1968. Conclusions were made about the /correlation/ between a person's /background/, characteristics (eight variables were chosen) and his suitability for doing /extension education/. Students who were well qualified did not express interest in this type of work. (1969-1970). A.M. Bannaga. Wisconsin.

88 (Sd-7201) /Political Socialization/ in the /Sudan/ with Special Reference to the Role of /Education/.
/Doctoral thesis/. (1972-?). Mohammed El Hassan El Shabo. Political Science, Khartoum.

TANZANIA

89 (Tz-1144) /Adult Education/ and /Development/ in /Tanzania/.
/Doctoral thesis/ to identify adult /educational goals/ in /relationship/ to the development goals of Tanzania, and to assess the impact and effectiveness of current adult education /programmes/. (1972-1974). Funding: CIDA. P. Ng'Wandu. Alberta.

90 (Tz-2502) Women's Emerging Role in the Developing Economy of /Tanzania/ and a Study of Obstacles to the /Enrolment/ of /Females/ at /School/.
/Women's education/. (1972-?). M.J. Mbilinyi (Mrs) Education, Dar-es-Salaam.

91 (Tz-4343) Towards /Motivation/ of /Students/ in /Adult Education/ /Programmes/.
/Student motivation/. (1973). Publication: *Studies in Adult Education*, (1973). and also published by Institute of Adult Education, University of Dar-es-Salaam, /Tanzania/, 1973, 15p. and bibliography. F.K. Mtenga. Institute of Adult Education, Dar-es-Salaam.

92 (Tz-4411) Development of Piagetian Spatial Concepts among Pared /Africa/n /Children/ in /Tanzania/.
/Doctoral thesis/ in /developmental psychology/. /Concept formation/. (1970-1971). I.M. Omari. Education, Columbia.

93 (Tz-5201) Use of /Drama/ in /Education/ in /Tanzania/.
/Doctoral thesis/. (1972-?). B.L. Leshoai. Theatre Arts, Dar-es-Salaam.

94 (Tz-5202) /Programmed Instruction/.
/Adult education/ in /Tanzania/. (1970?). C.K. Ma-

TANZANIA (continued)

ganga. Institute of Adult Education, Dar-es-Salaam.

95 (Tz-6223) /Manual/ for /Secondary School Teachers/ of /English/ /Language/.
Includes /sample materials/ and /methodology/.
/Tanzania/. (1972-1973). Publication: Manual, 1973. Funding: Ministry of National Education.
M.P. Nyagaswa. Institute of Education, Dar-es-Salaam.

96 (Tz-6223) /Secondary School Mathematics/ Book 4 with Answers Guide.
/Curriculum development/ by /teachers/ of /modern mathematics/ in /secondary schools/ in /Tanzania/.
Book tested and then discussed in detail in writers /workshop/. (1970?) Funding: Ministry of National Education and Institute of Education (Answers Guide). G.R.V. Mmasi. Institute of Education, Dar-es-Salaam.

97 (Tz-6223) Studies in /Curriculum Development/.
/Survey/ information on present curriculum development studies in /mathematics/, Kiswahili; /English/ /language/, /biology/, /chemistry/, and /physics/ in /Tanzania. Makes a case for change and states problems and challenges ahead in /secondary school curriculum/. (1972-?). R.V. Okonkwo and M.J. White. Education, Dar-es-Salaam.

98 (Tz-6223) /Teaching/ of /Physics/.
/Manual/ for physics /teachers/. Selection of articles written by teachers mostly from /secondary schools/ of /Tanzania/ mainland. (1970-1972). Funding: Institute of Education, Dar-es-Salaam.
S.R. Nkonoki. Education, Dar-es-Salaam.

99 (Tz-6302) Base of the Crisis, or the Early Years of the Protracted Struggle Vis-a-Vis the Colonial Super-Structure and Her Policies: A Case Study in Sukumaland, /Tanzania/.
/Adult Education/. (1971?) D.M. Ngalula. Institute of Adult Education, Dar-es-Salaam.

100 (Tz-6302) A Study of /Adult Education/ Training in /Tanzania/.
(1971?). P.J. Mhaiki. Institute of Adult Education, Dar-es-Salaam.

101 (Tz-6341) Effective /Evaluation Methods/ for /Adult Education/ in /Tanzania/.
/Doctoral thesis/. (1972) J. Millonzi. African Studies, Columbia.

102 (Tz-7202) /Education/ for Self-Reliance in /Secondary Schools/ in mainland /Tanzania/ (with special reference to /Students' Attitudes/ to this new /Educational Philosophy/.
(1972-?). S.R. Nkonoki. Education, Dar-es-Salaam.

103 (Tz-7213) /Self-Reliance//Activities/ in/Schools/ and /Youth Participation/ in Village /Rural Development/.
/Survey/ of self-reliance activities in /primary schools/ in Bagamoyo and Rufiji, /Tanzania/ to assess scope and /changing attitudes/, /political socialization/ and development of /nationalism/ among pupils. (1972-1973). Funding: University of Dar-es-Salaam. M.R. Besna. Institute of Education, Dar-es-Salaam.

104 (Tz-7224) /Education/ for /Self-Reliance/: /Survey/ of Self-Reliance /Activities/ in /Tanzania/n Secondary Schools/.
Assess extent and scope of /changing attitudes/ of /youth/ towards /policy/es of /government/. Study /political socialization/ and /nationalism/. (1970-1972). Funding: University of Dar-es-Salaam.
A.A. Lema. Institute of Education, Dar-es-Salaam.

105 (Tz-7241) /Citizenship/ in /Africa/: The Role of /Adult Education/ in the /Political Socialization/ of Tanganyikans, 1891-1961.
/Doctoral thesis/ on /educational history/ in /Tanzania/. (1971). J.C. Millonzi. Education, Columbia.

106 (Tz-7402) Aim and Methods of /Africa/n Tradition Education for the Adult.
/Tanzania/. /Adult Education/. C.D. Hauli. Institute of Adult Education, Dar-es-Salaam.

UGANDA

107 (Ug-1002) The Role of /Local Education Authorities/ in /Educational Administration/ in /Uganda/.
(1972). E.L. Gumisiriza. Social Science, National Institute of Education, Makerere.

108 (Ug-1134) /University/ Planning/ and /Development/ within the Context of /Educational Development/.
/Educational history/ of planning objectives, procedures, and implementation of plans of Makerere from 1949 to 1970 within the context of /Uganda/n National Development Planning with attention to the apparent gap between plans and their implementation. (1971-1972). Funding: Makerere, probably. A. Wandira. Education, Makerere.

109 (Ug-2112) /Sociology/ of /Preprimary Programmes/ in Kampala, /Uganda/.
Factors motivating demand and examination of the role of unequal /educational opportunities/ in the emerging Ugandan social structure. (1970-?).
V.C. Ochendu. African Studies, Illinois and formerly Institute of Social Research, Makerere.

110 (Ug-3102) Adaptation of the /School Leaver/ to the Public Life, by the Analysis of his /Attitudes/ and /Aspirations/. /Uganda/.
(1972). F. Kaleta-Obusinge. Social Sciences, National Institute of Education, Makerere.

111 (Ug-3102) /Experiment/ in /Motivation/ of P.7 and S.4 /School Leavers/ to Return to the Land through Group /Farming/ in /Uganda/.
(1972). C.J. Lukabyo. Social Sciences, National Institute of Education, Makerere.

112 (Ug-3112) /Dropouts/ Among /Females/ in /Uganda da/n /Primary Schools/.
(1972). E. Ilokot (Miss). Social Sciences, National Institute of Education, Makerere.

113 (Ug-3402) Movement of Educated and Uneducated Individuals and Their Subsequent Occupational /Achievement/ in /Uganda/.
/Occupational Mobility/. (1972). J.K.M. Kivunike. Social Sciences, National Institute of Education, Makerere.

114 (Ug-3523) /Teaching/ of /Agriculture/ in /Uganda/n /Secondary Schools/.

/Survey/ /facilities/ for /Agricultural training/ and progress in training secondary school agriculture /teachers/. If conditions permit return of researcher to Uganda, a second part will assess effectiveness of /teaching procedures/ in yielding productive /farmers/.
(1971-1972). Funding: private. A.K. Tiberondwa. Education, Zambia.

115 (Ug-4002) /Child Rearing/ Practices of the Batoro and the Psychological Effect of These Practices and the Scholastic /Achievement/ of the /Students/ in /Uganda/.
(1972). K. Mulengwa. Social Sciences, National Institute of Education, Makerere.

116 (Ug-4002) /Concept Formation/ Strategies; /Validity/ of /Aptitude Tests/ for /Higher Education/; /Programmed Instruction/ in /Groups/; /Mental Tests/ in /Schools/ in /Uganda/.
(1972). J.A. Opollot. Educational Psychology, Makerere.

117 (Ug-4102) Seven Dashes /Test/.
/Uganda/. A test of figural content was constructed consisting of seven dashes. Subjects were asked to draw as many different patterns, figures, or /symbols/ as they could in a limited amount of time using seven dashes of whatever length they desired. Information about the /activities/ and /interests/ of the subjects is thereby obtained. The responses depended heavily on /experience/ and /learning/. (1966-1972). H. El-Abd. Educational Psychology, Makerere.

118 (Ug-4202) Effect of /Cultural Environment/ on /School/ /Learning/ in /Uganda/.
(1972). A.N. Ojiambo. Education, Makerere.

119 (Ug-4211) Study of Relationships between Stated Objectives, /Learning/ Experiences and /Evaluation Methods/ in the Specialized /Programme/ of /Primary School/ /Teachers/ of /English/ in /Uganda/. /Educational objectives/, /language programmes/ and /language teachers/. (1973). C.N. Kasasa. Education, Columbia.

120 (Ug-4302) Three-Part Study of /School/ /Discipline/.
In the first part, /opinion/ on school strikes and discipline of /secondary school/ and /teacher education/ /institution/ /students/ in /Uganda/ were analyzed. The teacher training college students were found to be more militant and more involved in strikes and more concerned with personal freedom and /recreational facilities/. The secondary students were more conciliatory, favouring discussion and were concerned with educational as well as personal facilities. In the second part, a scale measuring /attitudes/ of /teachers/ toward disciplinary problems was constructed. It consisted of two forms of 40 statements each, relating to both work problems and self-disciplinary problems. The third part was a factor analysis of the data obtained from the application of the discipline scale. Four Varimax factors emerged. (1965-1971). Funding: Educational Psychology and Institute of Education, Makerere. H. El-Abd. Educational Psychology, Makerere.

121 (Ug-4302) Worries and /Anxieties/ of /Africa/n /Children/ in /Uganda/.
(1972). S.N. Kajubi. Social Sciences, National Institute of Education, Makerere.

122 (Ug-4312) /Parent-Child Relationship/ and their Implications for National Development in /Uganda/. /Psychological study/ of /child rearing/ /practices/ /cultural factors/, and child-adult/interaction/ focussing on ages two through five. /Adult/ training will be suggested. /Background characteristics/ (1970-1971). Funding: private. M.O.A. Durojaiye. Educational Psychology, Makerere.

123 (Ug-4322) Non-Cognitive Factors in School/Learning/ of /Uganda/n /Secondary School/ /Students/. /Questionnaires/ and /interviews/ will be administered to a /sampling/ of students thorughout Uganda to identify non-cognitive factors relating to /performance/. /Tests/ of general /ability/, scholastic /aptitude/, /achievement/, and /personality/ will be given. /Performance factors/ not based on /intelligence/, including /background characteristics/, will be scored and correlated with academic performance. (1970-1971). Funding: Makerere. M.O.A. Durojaiye. Educational Psychology, Makerere.

124 (Ug-4402) Exploratory Study of the /Development/ of some /Geometric Concepts/ Among Ankole /Children/ in /Uganda/.
(1970-?). M. Okonji. Sociology, Makerere.

125 (Ug-4402) Investigation of Eleven Mental /Abilities/ in /Uganda/n /Children/.
An investigation of the existence of 11 factors of /mental development/ in relation to Guildford's structure-of-/intelligence/ model (SOI) in four /samplings/ of Ugandan /students/. Findings support El-Abd's (1966) assumption "that the structure of intellect is independent of race, or religion but dependent on education and /experience/."
(?-1971). Funding: Social Sciences, National Institute of Education, Makerere. Twaha Nsereko-Gyagenda. Education, Makerere.

126 (Ug-4402) Maternal Control Systems and /Cognitive Development/ (/Child-Rearing / Practices of Various /Social Class/es in and Around Kampala, /Uganda/.) /Interviews/ and laboratory /testing/. (1970-?). M. Okonji. Sociology, Makerere.

127 (Ug-4412) Investigation among/Uganda/n /Children/ of some Aspects of Piaget's /Learning Theory/. Will investigate /thought processes/, /cognitive processes/, and the extent to which results of an earlier study of operational thinking of Iteso /primary school/ children correspond to Piaget's theory, using a larger /sampling/ of children from five /ethnic group/ regions of Uganda. (1971-1973). Publication: *The Development of Operational Thinking in Primary School Children: An Examination of Some Aspects of Piaget's Theory among the Iteso Children of Uganda.* (New York: Teachers College Press, 1973), 118p. Adapted from /doctoral thesis/ at Columbia. B.Otaala. Educational Psychology, Makerere.

128 (Ug-4523) /Occupational Guidance/ of /Uganda/n /Secondary School Students/.
Identification of /occupational choices/ and orientations of /students/ as basis to mounting a programme of /guidance/ for pupils in S2 to S4.

(1970-1973) M.O.A. Durojaiye. Educational Psychology, Makerere.

129 (Ug-5101) /Development/ of /Art Education/ in /Uganda/.
/Doctoral thesis/ to consider the background of the current situation of, and the relation of other agencies to art education in /schools/ and /teacher education/ /colleges/. Also to study the historical development of the School of Arts. Will make recommendations for the future after investigation by /interviews/ and /questionnaires/. (1970-1973). Funding: Makerere research grant. T.M. Mazinga. Education, Makerere.

130 (Ug-5301) Organizational Partnership and Collaboration in /Teacher Education/ with Special Application to the Professional Education of Teachers in /Uganda/.
/Doctoral thesis/. (1971-1972). E.M. Rukare. Education, Columbia.

131 (Ug-5333) /Job Training/ of Graduate /Teachers/ as an Alternative to Traditional /Teacher Education/
Investigation of /educational benefits/ of /on-the-job-training/ for graduate teachers while they are full-time /secondary school/ teachers. /Educational programme/ would include 6-10 week theory course in /pedagogy/, followed by two years of full-time teaching under /supervision/ and /performance/ /evaluation/, complemented by pedagogical training during two vacation periods. /Experimental teaching/. (1971-1974). J. Agard. Education, Makerere.

132 (Ug-5333) /Teacher Education/ and /Experimental Curriculum/
Study of /preservice education/ of /teachers/ for /Uganda/n /secondary schools/ with a view to designing and experimenting with new /programmes/ for a larger audience of teacher trainers in /Africa/. (1971-1973). A. Wandira. Education, Makerere.

133 (Ug-5505) Education for /Social Relations/ and Cohesion among /Ethnic Groups/
/Survey/ of factors in /race relations/ in /East Africa/n /schools/, using /sociometric techniques/, analyses of within school activities/ and /after-school activities/ of pupils in /Uganda/, and /experiment/al tasks for social relations and ethnic cohesion. Recommendations will be applied to Asian-African relations in East Africa. (1971-1974). Publication: *Education for /Racial Integration/*, (Kampala, Makerere Institute of Social Research, 1972). M.O.A. Durojaiye. Educational Psychology, Makerere.

134 (Ug-5512) Religious and /Racial Integration/ in Kampala /Primary Schools/ in /Uganda/.
(1972-?). G. Kahangi. Social Sciences, National Institute of Education, Makerere.

135 (Ug-6122) Analysis of Some Grammatical Errors in the /English/ /Writing/ of some Third Form /Secondary School Students/ in /Uganda/.
(1972). P.N. Rwakyaka. Social Sciences, National Institute of Education, Makerere.

136 (Ug-6122) /English/ /Language/ in /Textbooks/ in /Uganda/.
/Linguistic analysis/ of course books other than English in the first two years of /secondary school/ in Uganda, and comparison with suggested progression in English. (1970?). Funding: Makerere research grant. S.M. Durojaiye (Mrs). Language Methods, Makerere.

137 (Ug-6142) /Adults/ Problems in /Learning/ Spoken /English/ in /Uganda/.
Investigation of problems and advice on methods of solving them. (1971-1972). Funding: Makerere. R.Naibambi (Mrs). Language Methods, Makerere.

138 (Ug-6202) /Relationship/ Between /Students'/ /Values/ and Effectiveness of /Administration/ in the /Primary Schools/ and /Secondary Schools/ as a Guide to /Curriculum Development/ in /Uganda/.
/Curriculum Development/. (1972). J. Bigala. Social Sciences, National Institute of Education, Makerere.

139 (Ug-6213) Modern /Primary Education/.
Study of /educational history/ of /primary schools/ for /curriculum development/ and new /methods/ in /Uganda/. (1969-1973). J.P. Ocitti. Education, Makerere.

140 (Ug-6222) The Problems of Introducing /Agricultural Education/ in /Secondary Schools/ in /Uganda/.
/Curriculum planning/. (1972). J. Wassanyi. Education, Makerere.

141 (Ug-6302) Successful Crop-/Farming/ in /Uganda/: How to Educate the Masses to Make Proper Use of Their Land.
/Extension education/. (1972). O.J. Lukabyo. Social Sciences, National Institute of Education, Makerere.

142 (Ug-6303) Education for /Rural Development/ in /Uganda/.
/Case studies/ of two rural communities to determine their educational profiles, including skills and types of education required for development and existing /extension education/ services. Application of results to /school/ and /adult education/ /programmes/. /Community development/. (1971-1973). A. Wandira. Education, Makerere.

144 (Ug-7102) Development of Education in /Uganda/ in /History/cal Perspective.
/Educational History/. (1972-?) J.S. Ssekamwa. Social Sciences, National Institute of Education, Makerere.

145 (Ug-7201) /Uganda/n Citizens for Tomorrow: A Programme Fostering /Political Socialization/ through /Primary School/ and /Secondary School/ /social studies/.
/Doctoral thesis/ (1970-1971). J.C. Bigala. Education, Columbia.

146 (Ug-7301) /Social Change/, Education and Social Security in Kooki, Buganda,/Uganda/.
/Doctoral thesis/. (1969-?). Y.M.K. Gwayambadde. Social work and Social Administration, Makerere.

147 (Ug-7303) Traditional and Contemporary /Social Services/ in Kooki, /Uganda/.
Obtain data on traditional social services , com-

UGANDA (continued)

pare the development and establish the effectiveness of change on those services. Intended for use by lecturers and /students/ in many disciplines, including Education. (1969-1971). Funding: Makerere and private. Y.M.K. Gwayambadde. Social Work and Social Administration, Makerere.

148 (Ug-7502) Study of the Educational Contribution of the Former Archbishop Kiwanuka of /Uganda/. /Biographies/. /Religious factors/. (1972-?). A.M. Lugira. Religious Studies, Makerere.

ZAMBIA

149 (Zb-1144) /Relationship/ between /School/ and /Adult Education/ in /Zambia/.
/Comparative analysis/ of educational provisions within and outside the /school system/ to determine the place of adult education in formal school /curriculum/ and identify areas of cooperation and /integrated activities/. /Survey/ will be made of Ministry of Education /local education authorities/, /teachers/, national /union/ members, and past and present /adult students/. (1973-?). I.N. Ojok. Education, Zambia.

150 (Zb-3422) Regional, Historical Study of Secondary /School Leavers/ in a /Rural Area/ of /Zambia/, 1958-1971.
Study seeks (a) to provide empirical data from the Northwestern Province of Zambia to prove or disprove common assumptions that /secondary school/ pupils are younger now and that their selection is more local; (b) to permit contrastive and /comparative analysis/ of /employment/ patterns in pre- and post-independence /migration/ patterns. (1973-1974). Funding: University of Zambia. T. Samungole and P.O. Wilkin. Tracer Co-operative Research Project, Extra-Mural Studies, Zambia.

151 (Zb-4312) Classificatory/Behaviour/ among some /Preprimary Children/ in /Zambia/.
Determine developmental pattern of /logical thinking/ and /preschool learning/ among /children/ aged 2½ to 6 years from different /socioeconomic backgrounds/ in Lusaka, and examine the effect of /training/ on the classificatory behaviour of some of these children who will be selected and matched on various criteria, including /performance/ in a pretest sorting task. /Educational testing/, /background characteristics/. (1971). M.O. Okonji. Human Development Research Institute, Zambia.

152 (Zb-4402) /Socioeconomic Background/, /Race/, and Sensory Integration among Lusaka, /Zambia/ /School/ /Children/.
(1972-?). M.O. Okonji. Psychology, Zambia.

153 (Zb-4412) Logical /Behaviour Development/ in /Preprimary Children/ in Lusaka /Zambia/.
(1972). M.O. Okonji. Psychology, Zambia.

154 (Zb-6104) /Surveys/ of /Language Usage/ and /Language/ /Teaching/ in /Zambia/.
(1966-1974). Funding: LAEA and Ford Foundation-sponsored survey of Language Use and Language Teaching in Eastern Africa. S. Ohannessian (Miss), Centre for Applied Linguistics, Washington D.C.; M.E. Kashoki, Institute for African Studies, Zambia; H. Carter (Mrs), M. Mann, D.Lehmann, Rev. J.L. Wright, G. Fortune.

155 (Zb-6123) /Survey/ of /Attitudes/ towards /French/ /Teaching/ in /Zambia/n /Secondary Schools/.
Survey of 19 of the 29 schools in Zambia offering French; /sampling/ of /students/ who have not studied French, both boys and girls, in government and non-government schools, in /urban areas/ and /rural areas/. (1971-1973). D. Datta and S. Calhoun. Education, Zambia.

156 (Zb-6213) /Primary School Science/ /Curriculum/.
To determine the /readiness/ of /Zambia/n /primary school students/ for learning /science/ and to investigate the effects of deliberate stimulation in the selected readiness areas. Hypothesis is that the limited experience in the Zambian child's /environment/ may not give him the /skill development/ and /concept formation/ necessary to learn science at the ages assumed by those responsible for planning curricula. (1970-1972) Funding: Senate Research Fund, Zambia. N.E. Obioha, Science Education Centre, Zambia.

157 (Zb-6522) /Reading/ Interests and Preferences of /Secondary School/ Fourth Form /Students/ in the Lusaka /Urban Areas/ of /Zambia/.
Departmental /Research/. (1971). Library Studies, Zambia.

WESTERN AFRICA

158 (WA-1001) Inadequacy of Educational Systems in /West Africa/: /Mali/, /Senegal/.
/Doctoral thesis/, comparative study of the /administrative organizations/ and /educational policies/. (1971-?). A. Bah. Sciences de l'Education, Institut Africain de Geneve.

159 (WA-1031) Mission, Organization and Governance of /Universities/ in /West Africa/: A /Comparative Analysis/.
/Doctoral thesis/ on the /planning/ and /administration/ of /higher education/, including the University of /Liberia/. (1974-?). Funding: Fulbright-partial. L. Bestman. Education, Pittsburgh.

160 (WA-2206) Relative /Performance/ of /Urban School Versus /Rural School/ Candidates in Selective Entrance Examinations.
To investigate the allegation that /students/ from /urban areas/ perform better than students from /rural areas/ on common and selective entrance /tests/ and to identify the causes of differences (if any). /West Africa/n /schools/ from /Nigeria/, /Ghana/, /Sierra Leone/, and /Gambia/ are included in study. (1971-1972). S.S. A. Akeju. TEDRO/WAEC

161 (WA-4003) /Educational Testing/ and /Evaluation/, /West Africa/.
/Textbook preparation/ in /testing/ and /measurement/ for undergraduate /college students/ in education and /psychology/. (1970-1971). Publication: Text consisting of seven chapters and appendices, 1971. R.O. Ohuche. Njala; S.S.A. Akeju, TEDRO/WAEC.

162 (WA-4103) Potential /Ability/es /Test/ (PAT). Development of an /aptitude test/ battery as alternative form for existing G-D Tests for /manpower/ and educational /selection/ suitable for use in the developing countries of West Africa/. /Test construction/ and /educational testing/. (1970-1971). Publications: Research Report, 1971.

WESTERN AFRICA (continued)

Funding: USAID. A.I. Fiks and T.O. Oyerinde. TEDRO/WAEC.

163 (WA-4103) Recording of Spoken /English/ using /Audio Equipment/ and Mechanical Information Sub/tests/ of I-D Battery /West Africa/.
Standardized/educational testing/ conditions further by eliminating intra- and inter-examiner variations in reading the test questions. Tape recording of 40 items I-D-16 (SPK) and 56 item I-D-7 (WEC) including insturctions using West African voice; determination of the feasibility of tape test presentation; examination of suitability of existing norms based on live presentation. /Test construction/. (1971). Funding: USAID and WAEC. A.I. Fiks, and A.A. Agboro. TEDRO/WAEC.

164 (WA-4103) Sample-Free /Test/ Calibration of TEDRO Trial Test Items for /West Africa/.
Determine whether TEDRO test calibration can be made independently from /ability/ characteristics of the group used for item analysis. The 1969 TEDRO trial tests in /arithmetic/ were recovered after the conventional scoring had been done, were rescored, and item analyzed using the sample-free /model/. The item characteristics obtained from the two approaches will be compared and the differences between tests built from the two models identified. /Educational testing/. (1969-1971). Funding: WAEC. S.S.A. Akeju. TEDRO/WAEC.

165 (WA-4121) /Measurement/ of the Goodness-of-fit of Rasch's Probabilistic /Model/ of Item Analysis to Objective /Achievement Tests/ of the /West Africa/n /School/ Certificate Examination.
/Doctoral thesis/. Dissertation Abstract in *West African Journal of Educational and Vocational Measurement*, 1001, 1, February 1973, pp. 60-62. (1971-1972). M.A. Soriyan. Education, Pittsburgh.

166 (WA-4123) Differential Weighting in /West Africa/n School Certificate Examinations.
Taking /teachers'/ estimates as a valid appraisal of /students'/ /abilities/, estimates were obtained in /biology/ from several /Nigerian/ /secondary schools/ in December 1969. These data were transformed to the same scale and used as criteria variables to obtain regression weights for three biology scores in the 1969 examination. The weights were used for /prediction/ of school certificate grades in biology. The predicted grades will be subjected to /comparative analysis/ with those actually awarded in 1969. /Evaluation criteria/, /educational testing/, /validity/. (1970-1971). Funding: WAEC. S.S.A. Akeju. TEDRO/WAEC.

167 (WA-4312) /Infancy/ and the Processes of /socialization/ in /West Africa/: (i) Wolof /infants/ 0-5 years-bodily, /verbal/ and other means of /communication/; the passage from /parent-child/ to /age-group/ relationship/s; (ii) the Duala of /Cameroon/: /traditional education/, role of /age-groups/ and phases of initiation.
(1967-1971). J. Rabain-Zempleni (Mrs), and M. Bekombo-Priso. CNRS/Douala.

168 (WA-5231) /Systems Analysis/ Approach to /Teaching/ the /Geography/ of /Africa: Examples of the Urban Systems of /West Africa/.
/Doctoral thesis/ on /social studies/ and teaching geography in the /University/ in /Gambia/. /Urban areas/. (1972). G. Joof. Education, Columbia.

169 (WA-6126) Aural-Oral /English/ /Language/ Examination. /Pilot project/ to / test/ a new oral language exam developed by TEDRO/WAEC. /Audio equipment/ will be used to record responses of /secondary school/ /students/ to this optional segment of the /West Africa/n School Certificate Exam. Intended to improve on present test and the quality of spoken English in school by requiring /teachers/ to help students to prepare aurally for the test. /Comparative analysis/ will be made among examinees in /Nigeria/ and /Ghana/. (1969-1977). Funding: WAEC and Ford Foundation. A. Salami *et al*. TEDRO/WAEC.

170 (WA-6201) Renovating Education K-12 in English Speaking Countries of /West Africa/.
/Doctoral thesis/ study based on a five page /questionnaire/ sent to the ministries of education and on primary and secondary sources. Findings were that the /curriculum/ was not in line with local needs, that /teaching/ aimed at /tests/ to be passed by the /students/, that there are not enough qualified /teachers/ and that /schools/, their furnishings and services are inadequate. Recommendations made for a curriculum related to community needs rather than passage of examinations. Also recommends a comprehensive /secondary school/ and programs for /in-service education/. (1971). M.O. Ubamadu. Kansas.

171 (WA-7301) Local Contributions to /Islamic Studies/ with Emphasis on Social Awakening and Education (Hausa, Fulani, Nupe).
/Doctoral thesis/ on social attitudes/, /Koranic education/. /Field work/ in /Nigeria/, /Mali/, /Niger/, and /Cameroon/. (1970-?). M.S. Zahradeen. Islamic Studies. ABC/ABU.

CAMEROON

172 (Cm-4401) /Concept Formation/ by /Children/ 5-15 years.
/Doctoral thesis/,/case study/, Basaa in /Cameroon/. (1972-1973?). P.E. Njock. Language, Cameroon and Laval.

173 (Cm-6101) /English/ in /Cameroon/.
/Study/ of the historical contacts, patterns of usage, and current trends in English in Cameroon, including analysis of /lexicology/ and /grammar/ of Cameroon Pidgin English. (?-1973). F. Mbassi-Manga. Institute of Modern English and Language Studies, Leeds.

174 (Cm-6211) Problems and Proposed Solutions of /Agricultural Education/ at the Elementary School Level in West /Cameroon/.
/Doctoral thesis/, /primary education/. (1970-1971). A.N. Boma. Education, Cornell.

CONGO (BRAZZAVILLE)

175 (CB-4321) /Congo/lese /Adolescent/: /Identification/ Problems and /Social Integration/,(Congo-/Brazzaville/).
/Doctoral thesis/, /personality/. (1972-?). M. Nsi-kinkaya. Psychologie, Paris X.

CONGO (BRAZZAVILLE) (continued)

176 (CB-4411) /Evaluation/ of the Categorical /Thought Processes/ of /Children/ aged 4 to 8 years, in /Congo-Brazzaville/.
(1971-?). Mbuyi-Mizeka. EPHE/III.

DAHOMEY

177 (Dh-7101) Education and /Training/ in Francophone /West Africa/: the Experience of /Dahomey/ Since 1960.
/Doctoral thesis/ on /Educational history/ in /Francophone Africa/. (1970). M. Houssou. FLSH.

GABON

178 (Gb-2501)
Statuory /Women's Education/ in Traditional and Modern /Law/ in /Gabon/.
/Doctoral thesis/. (1972-?). J. Bourdes Ogouliguende. Universitę de Paris, X.

GHANA

179 (Gh-1121) Private Day /Secondary Schools/ in /Ghana/as an Alternative to /Boarding Schools/: Staffing, /Student/ Retention Rates, Problems, and Development of a Model Secondary Day School System.
/Doctoral thesis/ and /field study/ of /educational planning/ for /private schools/. /Oral data/, /statistic/al enquiries, /questionnaires/, /interviews/. (1972-1973). F.Y. Boateng. International Education, USC.

180 (Gh-1131) Processes of Control in /Teacher Education/ /Programmes/ in /Ghana/: A Critical Appraisal and a Proposal.
/Doctoral thesis/ study made from secondary sources and from /interviews/ with twelve Ghanaian educators in the /United States/. Conclusion was that the roles of the members of the National Teacher Training Council (members from TEDRO, the Ministry of Education, and /teachers colleges/) were ambiguous. Leadership was not equally shared. The teacher colleges resent other bodies having control over college programs. More attention is paid to routine /administrative problems/ than to /evaluation/ of the system and attainment of goals. Recommendations are made. (1969-1970). E. Asiedu-Akrofi. Education, Columbia.

181 (Gh-1331) British and American /Policy/es of /Technical Assistance/ in Education in /West Africa/ with Special Reference to /Higher Education/ in /Ghana/, 1945-1968: A /Comparative Analysis/.
/Doctoral thesis/ study on relationship between the stated intentions of British and American policies on technical assistance to determine its objectives and scope. Brief survey of political, social, and /economic developments/ in Ghana before and after WW II. /Survey/ of technical assistance throughout the period concluding with general statements on technical assistance in higher education in Ghana. (1970). E.E. Ekuban. London.

182 (Gh-1332) /Income/ and /Expenditure/ Patterns of the /Universities/ in /Ghana/.
(1972?). G.M. Adamu. Economics, Cape Coast.

183 (Gh-1432) /Attitudes/ of Headmasters, /Principals/ Towards /Performance/ of /University/ of Cape Coast, /Ghana/ /Graduates/.
(1972?). N.K. Pecku. Education, Cape Coast.

184 (Gh-3102) /School Leavers/in the /Ghana/ian /School/ System.
(1972?). K. Bassa-Kwansa. School of Education, Cape Coast.

185 (Gh-3102) Wastage or /Failure/ Rates at all-Levels of Education in /Ghana/.
(1960-1971). J.S.K. Owusu. Education , Cape Coast.

186 (Gh-3201) Education, /Occupation/al Preferences of /Students/, and /Manpower Needs/ in /Ghana/.
/Doctoral thesis/. (1973). S.K. Blay. Sociology, Wisconsin.

187 (Gh-3222) /Teacher/ (/Manpower/) Requirements in Various Subjects at the /Secondary School/ Level in /Ghana/.
(1972?). J.S.K. Owusu. Education, Cape Coast.

188 (Gh-4103) Reader-Reliability of GCE /English/ Composition Papers in /Ghana/.
/Personnel evaluation/ in determining the /reliability/ of /educational testing/. Essay scripts of 100 candidates were randomly selected from 1600 essay /tests/. Papers were copied and assigned to named /examiners/ to mark independently. The marks awarded to each paper by various examiners were compared. (1970-1971). Publication: "Reliability of GCE Examination English Composition Papers in /West Africa/," *Journal of Educational Measurement*, (Fall, 1972), 175-80. S.S.A. Akeju. TEDRO/WAEC.

189 (Gh-4201) /Race/, /Self-Concept/ and /Achievement/ /Doctoral thesis/. /psychology/, /measurement/ and /evaluation/, in /Ghana/. (1971-1972). E.B. Laryea. Education, Columbia.

190 (Gh-4222) Common Errors in Basic /Mathematics/ in the /Middle Schools/.
Discusses the results of /tests/ given to middle school /students/ and which errors were most common. Includes also discussion of methods for /teaching/.
(1972). Publication: "Common Errors in Basic Arthmetic in the Middle Schools." *Ghana Journal of Education*, III, 17-30. M.A. Agadzi.

191 (Gh-4232) /Comparative Analysis/ of Academic Success Rates of /Students/ who enter /University/ of Cape Coast with "A" Levels and those who enter with "O" Levels".
K. Bassa Kwansa. School of Education, Cape Coast.

192 (Gh-4302) General and /Case-Study/ /Research/ into /Child-Rearing/ Practices in /Ghana/ among the Akwapims, Gas, Ewes, Ashantis, Dagartis.
C.H. Ayisi. Education, Cape Coast.

193 (Gh-4322) /Youth/ Psychedelism: the Youth /Culture/ of /Secondary School students/ in /Ghana/ (/Behaviour/, /Attitudes/ to Present Trends of /Change/, to Americanism, to Modernization).
(1971-?) B.K. Agyeman. Sociology, Cape Coast.

194 (Gh-4402) /Child Development/ in /Ghana/ (including /Performance/ on Piagetian Conservation /Tests/).
(1971-1972). E. Asiedu-Akrofi. Education, Cape Coast.

195 (Gh-4402) /Performance/ of /Ghana/ian /Children/ on Some Piagetian Conservation Tasks.
/Tests/ performed with 76 children from University

/Primary School/, Cape Coast. The results generally confirmed Piaget's findings and conclusions. /Cognitive development/ seemed more a function of chronological age than of progression in /school/. Boys performed better than girls. Publication: *Performance of Ghanian Children on Some Piagetian Conservation Tasks*, (Ghana: Cape Coast, 1972), 41p. C.H. Ayisi. Education, Cape Coast.

196 (Gh-4402) /Research/ on /Cognitive Development/of /Children/ From Different /Cultural Backgrounds/. (1972?). C.H. Ayisi. Education, Cape Coast.

197 (Gh-4522) Vocational Maturity of Form Three /Students/ in Selected /Secondary Schools/. (1972?). M.K. Pecku. Education, Cape Coast.

198 (Gh-5002) Teaching Effectiveness of /Graduates/ of the /University/ of Cape Coast, /Ghana/. (1972?). K. Bassa Kwansa. School of Education, Cape Coast.

199 (Gh-5014) Study of Sociological Factors which Influence the /Job Satisfaction/ and /Career Planning/ of /Ghana/ian /Primary School Teachers/. Study contains review of relevant literature and a theoretical framework. Goes beyond other studies in defining not only causes of job dissatisfaction or satisfaction but also how teachers react under these circumstances. (1970). Publication: "A Study of Sociological Factors Which Influence the Job Satisfaction and Career Aspirations (plans) of Ghanaian Elementary School Teachers -- A Statement of the Problem and Hypotheses," *Institute of African Studies Research Review*, (Ghana), VIII, 1, (Michaelman Term, 1970), 77-97. K.N. Bame. Sociology, Ghana.

200 (Gh-5202) /Teaching/ of /History/ in /Secondary Schools/ and Training /Colleges/, in /Ghana/. (1973-?). M.K. Antwi. Education, Cape Coast.

201 (Gh-5214) Peoples of /Ghana/--A Programme for /Teaching/ /Social Studies/ in /Primary Schools/. /Curriculum Development/. (1972?). K. Asiedu-Akrofi. Education, Cape Coast.

202 (Gh-5214) /Teaching/ in the New /Africa/n /Primary Schools/. /Ghana/. K. Asiedu-Akrofi. Education, Cape Coast.

203 /Teacher/ Preparation in /English/ as a /Second Language/ for /Secondary Schools/ and /Teachers Colleges/ in /Ghana/. Prescriptive /study/ of/teaching methods/used in institutions preparing teachers, concerning English /literature/,/drama/, /poetry/, and written and oral /communication skills/. (?-1973). G. Owusu-Sekyere. Cardiff.

204 (Gh-5331) /Teachers/ of Tomorrow: A Plan for the /Continuing Education / of /Ghana/ian Teachers. /Doctoral thesis/ study done from secondary sources and from working with a panel of six /consultants/, four from the /United States/ and two from Ghana. Attention focused on /inservice education/ and keeping teachers interested in it and motivated to keep up on the changes occuring in education. A plan was formulated and a method of evaluation of the programme determined. Plan includes an in-service institution, task forces, /supervisors/ and individual teacher projects. (1971). S.A. Awudetsey. Education, Columbia.

205 (Gh-6101) Alternative /Language/ Policies/ for Education in /Ghana/. /Doctoral thesis/. (1971-1972). F.F.K. Ghedemah. Language, UCLA.

206 (Gh-6102) Effects of European Contact on /Languages/ and Education in the Gold Coast (/Ghana/), from the 17th Century to 1957. (1972-?). J. Sackey. English, Leeds.

207 (Gh-6122) Candidates' Performance in the "O" Level /English/ /Language/ Examination, in /Ghana/ Examination of the "O" Level results indicate a downward trend in /student/ competency in English. Detailed discussion of the /tests/ included (1970). Publication: *Candidates' Performance in the "O" Level English Language Examination*, (Accra: Institute of African Studies, Ghana, 1970), 26p. I.K. Chinebuah. Ghana.

208 /English Language/ in /Ghana/: An Error Analysis of the /Speaking/ and /Writing/ of /Secondary School Students/. (1973?). F. Dolphyne. Linguistics, Ghana.

209 (Gh-6122) Study of /Ghana/ian /Languages/. Review of the recommendations of the Education Review Committee and suggestions for more specific solutions to lack of competency in Ghanaian Languages of /secondary school students/. (1970). Publication: *The Education Review Report and The Study of Ghanian Languages*. (Accra: Institute of African Studies, Ghana, 1970), 37p. I.K. Chinebuah. Ghana.

210 (Gh-6206) Project for Science Integration (PSI). /Curriculum development/ and /curriculum evaluation/ in /science education/ to make it more relevant to /Ghana/'s needs and to stress to Ghanaian /children/ the unity of /science/ and knowledge. Also to develop an /integrated curriculum/ between /primary school science/, /secondary school science/ and the /teacher education curriculum/ so that transition will be easier and more meaningful. Operations based on /plan/ recommended by Ghana Association of Science /Teachers/ (/professional association/). (1970-1976). Funding: UNESCO; Ministry of Education; CEDO/British Council; Science Education Programme for Africa (SEPA). S.M. Adu-Ampoma, R.E. Pearson, D. Bates, M. Taw'a, K.A. Awuku, S. Bortei-Doku. PSI, Ministry of Education.

211 (Gh-6211) Terminal and Continuing Education in a /Developing Country/ (a /Curriculum/ Approach for /Ghana/ Elementary /Schools/.) /Doctoral thesis/ of /primary school curriculum/. /Geography instruction/ used as example. (1971-1972). C.O. Agbenyega. Education, Syracuse

212 (Gh-6301) Role of /Ghana/ Television/ in Education and /National Development/: An Exploratory Study. /Doctoral thesis/ study of the effectiveness of television as a support of national development through education, both in and out of school. Findings through /interviews/ and printed materials. Indication that television receivers are not widely spread in the general population or in schools and that educational programmes are not well developed. Suggest that the government should place receivers in all schools, subsidize the purchase by community centers, villages, etc., and should set up a committee from Ministry of

GHANA (continued)

Education, Ghana Television and /student/ and /teacher/ groups to plan for telecasts at all levels. Also suggests a television research center as a permanent division of Ghana Television. (1971). P.H.O. Welbeck. Communications, Michigan State.

213 (Gh-6302) /Non-Formal Education/ in /Ghana/. (1972?) K. Bassa Kwansa. School of Education, Cape Coast.

214 (Gh-6302) /Research/ into /Non-formal/ by Centre for Educational Planning and Research in /Ghana/. (1972?). J.S.K. Owusu. Education, Cape Coast.

215 (Gh-6341) Educational Program for the /Rural Population/ of the Ashanti Region of /Ghana/ on the Use of Compost as a Means of Increasing Soil Fertility.
/Doctoral thesis/ in Agricultural Education. (1971-1972). C.O. Agbenyega. Education, Purdue.

216 (Gh-7002) Education and Change: The Domestic System of an Urban Elite.
Attempt to correlate the generations of education (/background of family/) in families of 185 civil servants in the /urban population/ of Accra, /Ghana/ with changes in practices within a family regarding /financial support/, household chores, and /decision making/. Each issue is discussed in regard to the "openness" of "closure" of the /family/ in regard to relatives outside the immediate family and in regard to jointness or segregation of decision making between husband and wife. (1971). Publication: "Education and Change: The Domestic System of an Urban Elite," *Institute of African Studies Research Review, VIII,* (Michaelmas Term, 1971), 31-49. C. Oppong. Social Anthropology, Ghana.

217 (Gh-7102) Education in /Ghana/ 1961-1971 (an examination of new trends). (1971). M.K. Antwi. Education, Cape Coast.

218 (Gh-7102) Education in Meiji/Japan/and in Nationalist /Ghana/.
/Doctoral thesis/. (1971-?). B. Assuon. Council for Intersocial Studies.

219 (Gh-7201) Formal education and National Integration: A Study of the Correlation between Education and /Nationalism/ in /Ghana/.
/Doctoral thesis/ secondary sources, /surveys/ and /questionnaires/, /sampling/ of 1540 children. (1967-1973). D.K. Agyerman. Sociology, Cape Coast.

220 (Gh-7202) National Unity through Education in /Ghana/.
Study of effect of education on /nationalism/. (1970-long term). M.K. Dzobo. Education, Cape Coast.

221 (Gh-7302) /Socialization/ and /Maturity/ of /Ghana/ian /children/ in semi-/rural areas/. (1971-?). D.K. Diawoo. Sociology, Ghana.

222 (Gh-7543) /Traditional Education/, on /Moral Studies) among the Anfoega Ewe (/Ghana/). /Non-formal education/ for /moral values/. (1968). M.K. Dzobo. Education, Cape Coast.

IVORY COAST

223 (IC-4411) Operational /Classification/ of the /Ivory Coast//Infant/. (1971-?). G. Tape. EPME.

224 (IC-5004) /Pedagogical /Research/ on the /Ivory Coast/.
This project will generate several different /studies/ on pedagogical subjects touching on a full range of educational issues, including /cognitive development/, /psychology/, /employment/ routes, /retraining/, /television/, /language/, /curriculum development/, /technical education/, /access to education/and the selection process as well as /tests/. (First phase: 1969-1972; second phase: 1972-1976). Funding: Government of Ivory Coast and UNESCO for establishment of an Institute of Recherches Pédagogiques in Abidjan. Goureh Yaya, UNESCO National Director; and researchers G. Zago, S. Ousmane, Assobor Assemian, and B. Aka. Institut des Recherches Pédagogiques, Abidjan.

225 (IC-6102) Essential /Vocabulary/ and /Grammar/ of /Primary School/ and Post-Primary /Teaching/. (1972?). A. Tashdjian. Linguistics, Abidjan.

226 (IC-6122) Inquiry into French /Writing/ and /French/ /Speaking/ of the /Secondary School Students/ of the Lycée Technique d'Abidjan. (1972?). A. Ganu. Abidjan.

227 (IC-6304) /Programme/ for /Educational Television/ in the /Ivory Coast/.
Major government project in which is included ongoing internal /evaluation/ to extend education throughout the country. (1968-1980). Publication: *Programme d'Education Télévisuelle* series. Funding: principally UNESCO, plus several bi-lateral agencies. E. Prao. Internal Evaluation Programme d'Education Télévisuelle, Ivory Coast.

LIBERIA

228 (Lb-5201) Different Patterns of /Instruction/ in /Liberia/: Implications for Modernization.
/Doctoral thesis/. (1970-1971). T.L. Wilson. Education, Stanford.

229 (Lb-6224) Accelerated Curriculum Experiment.
/Experimental curriculum/ applied to overaged pupils in /special classes/ in ten /secondary schools/ to permit pupils to catch up with their /age group/. Preliminary results show /accelerated programmes/ to be remarkably successful in meeting /psychological needs/ and in /student achievement/. (1973-?). Funding: Ministry of Education /Liberia/ with assistance from US Peace Corps and Teacher Training College, Liberia. M.A. Brown-Sherman(Mrs.) University of Liberia; B. Azango, Ministry of Education; and D. Goe, U.S. Peace Corps.

230 (Lb-7201) Western Education and National Integration in /Liberia/.
/Doctoral thesis/ on /nationalism/. (1974-?). P. Seyon. Education, Stanford.

MALI

231 (Mi-6341) /Mali/ and Functional /Literacy/.
Proposed study of the various aspects of/illiter-

MALI (continued)

acy/ and methods for its elimination based on the use of familiar signs and symbols. Study conducted as a /doctoral thesis/. (1971-?). P. Amos N'Singi. Sciences de l'Education, Institut Africain de Genève.

NIGERIA

232 (Na-1001) Problems of /Educational Planning/ for /Economic Development/ in /Nigeria/.
/Doctoral thesis/. (1973-?). G.O. Ijewere. London.

233 (Na-1024) History of the /Comprehensive High School/, Aiyetoro, /Nigeria/. Including a/Follow-Up Study/ of its /Secondary School Graduates/.
Doctoral thesis/ /field work/ on /educational history/ of Nigeria's first comprehensive school aimed at improving /educational administration/ in Western Nigeria. (1971-1973). Funding: Ford Foundation and Western State, Nigeria. M.T. Alafe-Aluko. Education, Washington University.

234 (Na-1101) Analysis of /Nigeria/'s /Educational Planning/ and Actual /Educational Development/ between 1945 and 1970.
/Doctoral thesis/ and /educational history/.
(1973). S.A. Adesina. Education, Columbia.

235 (Na-1102) Contemporary Development of the State /School/ System in the East Central State, /Nigeria/.
(1971-1973). E.N. Uknaby. Nsukka.

236 (Na-1122) /Perception/ of /Educational Goals/ by /Parents/ in /Nigeria/.
To use goals of parents as an input into /educational planning/. Encompasses all post-primary education. (1972). T.O. Ohikhena. Education, Ibadan.

237 (Na-1302) Historical Study of the Impact of Education Ordinances on Education in Northern /Nigeria/. 1916-1966.
/Doctoral thesis/ study done from secondary sources and /interviews/. Conclusion that the ordinances promote an unequal education system with discrepancies of /financial policies/ funding among different sponsors of/schools/, different levels of education and in salaries. Suggestion that a review of the ordinances be undertaken, taking into consideration /educational philosophy/, and adaptation to local conditions as well as amends for inequalities. (1970). Publication: *Legislation and Education in Northern Nigeria: 1916-1966*, (Zaria: Institute of Education, ABU, 1972).
A.F. Ogunsola. Education, Ohio.

238 (Na-1304) /Fiscal Capacity/ of the Six Northern States of /Nigeria/ and their Comparative /Resource Allocation/ to /Education/.
/Doctoral thesis/ addressing itself to /financial needs/ and /investment/ for the purpose of developing /fiscal policy/ in Northern Nigeria. Study will produce a basis for efficient /resource allocation/ and operational /planning/ and /budgeting/ in North-Western State in Nigeria, which is funding this project. (1974-1975). J. Ndagi. Education, Wisconsin.

239 (Na-1304) Rate of Return to /Investment/ in /Education/ in the East Central State of /Nigeria/.
/Doctoral thesis/ based on /field work/, /interviews/, and /questionnaires/ on /educational economics/. (1973-1974). Funding: AASC and Ford Foundation. G. Ohanu. Education, Stanford.

240 (Na-1404) New /Teacher/ Registration Application Form for /Nigeria/n Federal Ministry of Education.
Aim is to design a teacher application form amenable to electronic /data processing/ for /information services/. Intend to include code book for various possible responses and a punch card layout. (1970-1971). Publication: Report to Nigerian Federal Ministry of Education, 1971. Funding: USAID.
A.I. Fiks and J.R. Arye (Mrs). TEDRO/WAEC.

241 (Na-2101) Need for Mass Education in /Nigeria/.
/Doctoral thesis/, /mass instruction/. (1973-?).
O.I. Eligwe. Education, Howard.

242 (Na-2202) /Educational Opportunities/ and /Social Mobility/.
(1973?). O. Imoagere. Education, Ibadan.

243 (Na-2302) /Survey/ of Procedures of Transition from First Year Level to General Second Level in Educational Systems.
Aims to determine existing policies and procedures which govern transition from /primary schools/ to /secondary schools/ in /Nigeria/ and to identify the blocks and /handicaps/ which affect /access/ of individuals or groups of /students/. (1972).
D.A. Baikie. ABU.

244 (Na-2303) Use and Learning of the /Mother Tongue/ in /Nigeria/n/Schools/ with a view to the Promotion of Equal /Educational Opportunity/ and the Development of Local /Culture/ and Understanding.
(1971). Publications: By UNESCO, 1972. Funding: UNESCO. C.O. Taiwo. Education, Lagos.

245 (Na-2231) Predicting Success in the Federal School of Science. Lagos, /Nigeria/.
/Doctoral thesis/ effort to determine /validity/ of /selection/ /tests/ for /admission/ of Nigerian /students/ to the Federal School of Science (FSS). /Prediction/ of /achievement/ is more accurate from the West African School Certificate Examination (WASC), than from a scholastic /aptitude test/ or /interviews/. Accuracy of prediction was not increased significantly when results of last two were combined with the former. Value of the latter is for /counselling/. Suggestions made for lowering the attrition rate in the FSS. (1970). S.S.A. Akeju. Education, USC.

246 (Na-2232) Freshers of 1970: The /Relationship/ between the Various Entry /Qualifications/ to ABU (GCE, NCE, MCE) and /Performance/ in First Year End-of-Session /Tests/.
Result of study may establish whether there should be preference for a particular /admission/ qualification to the /university/ in /Nigeria/ and whether a particular grade of pass should be insisted upon for admission purposes. The records of students are registered for Part I Main Education. The 1970-1971 session being used. (1970-?). D.A. Baike. Education, ABU.

247 (Ni-2502) Influence of Formal Education in the Traditional Role of /Females/.
/Nigeria/. (1973-1974). C.A. Akpeke. Sociology and Anthropology, Nsukka.

248 (Ni-3112) Holding Power and Wastage Ratio of Thirty Randomly Selected /Primary Schools/: North Central State, /Nigeria/.
The holding power index expressed as a proportion of a /sample/ of primary one pupils of 1965 who have remained to complete their primary course in 1971. The wastage ratio is the proportion of /students/ who constitute the /drop-outs/. The /background characteristics/ of the drop-outs in respect to /rural urban differences/, /sex differences/, and /socioeconomic backgrounds/. (1971-?). D.A. Edem. Education, ABU.

249 (Ni-3112) /Primary School/ /Dropouts/ /Study/.
Identify causes of dropouts from primary schools which an ILO study shows may be as high as 80% in Western /Nigeria/. /Longitudinal study/ to be made of pupils in primary year one and year four in a /sampling of /rural schools/ and /urban schools/ in /relationship/ to /socioeconomic status/es. (1971-1976). Funding: private. E.A. Yoloye. Education, Ibadan.

250 (Ni-3112) /Primary School/ /Dropouts/ in Lagos: Incidence, Causation, and Suggestions for Prevention.
Aims to investigate /primary school/dropout problems/, with regard to incidences, causes, and contributions to /educational problems/ as well as economic and /social problems/. Attempt to make suggestions for decreasing the number of dropouts in Lagos State, /Nigeria/. Use of /statistical data/ and /questionnaires/ sent to /principals/, /teachers/ and other /administrative personnel/. (1971). F. Ola Obe. Education, Lagos.

251 (Ni-3201) /Agricultural Education/ and Training at the Sub-University Level in /Nigeria/ with Special Reference to the Western State.
/Doctoral thesis/ assessment of the development of /agricultural training/ in Nigeria, especially in light of /manpower needs/ and its adequacy at level of /extension education/. (1970-1971). D.O.O. Adeosun. Educational Studies, Edinburgh.

252 (Ni-3203) /Nigeria/n Trained /Personnel/ in the /USA/: Problems and Prospects of Their /Recruitment/ for Posts in Nigeria.
Examination of the "brain drain" of educated Nigerians to more highly industrialized countries. Use of a modified push-pull theory but addition of /psychological needs/ and /socio-cultural patterns/ to /economic factors/. /Interviews/. Publication: "Nigeria 'Brain Drain' to the /USA/: A Sociological Perspective," *Journal of Eastern African Research and Development*, II, (1972), 137-163. Sponsored by the Committee of Vice-Chancellors of Nigerian Universities. Funding: Ford Foundation. O.O. Okediji, Lagos; and F.O. Okediji, Sociology, Ibadan.

253 (Ni-3203) Patterns of /Industrial Training/ in East Central State, /Nigeria/, with emphasis on /Apprenticeship/ System (Including /Productivity Studies/ to Establish Future /Manpower/ Requirements and Intensify Training Process.
Investigation of small and very small scale /industry/es in Enugu area. (1973-?). E.J. Nwosu, C. Mordi, O.N. Osuji. Economic Development Institute, (Enugu), Nigeria, Nsukka.

254 (Ni-3203) /Teachers/ Supply and Demand in /Primary Schools/ East Central State /Nigeria/.
/Statistical studies/ of /manpower needs/, /teacher qualifications/ and /student/ /enrolment/ in /primary schools/; of teacher qualifications in /teacher education//institutions/, and of /admission requirements/ for students at these institutions. (1971-1972). S.N. Nwosu. Nsukka.

255 (Ni-3203) /Training/ Needs for /Manpower Development/ for the /Nigeria/n Iron and Steel /Industry/: A /Systems Analysis/.
/Doctoral thesis/ on projected demand for /technicians/ and /professional personnel/ in /technology/ as measured against supply of /technical education/ facilities in Nigeria in the yet-to-be-established iron and steel industry. (1971-1974). Funding: Ford Foundation and CESAC. Okwuese Ozoro. Engineering Economic Systems, Stanford.

256 (Ni-3345) Inquiry into Possibilities of /Functional Literacy/ by /Television/.
A /pilot project/ for the benefit of /literacy/ workers of the Northern States /Nigeria/ in developing /literacy programmes/ for /farmers/. (1972-?). Funding: Adult Education and General Extension Services, ABU. G. Salama. Adult Education and General Extension Services, ABU.

257 (Ni-3402) /Nigeria/n /Schools/ and /Employment Opportunities/.
(1971). E.A. Yoloye. Education, Ibadan.

258 (Ni-3432) /Employment/ Status of Ibadan /University/ /Graduates/.
(1972? - ?). F.O. Okediji, Sociology, in collaboration with J.I. Okedara and O. Soleye, Education, Ibadan.

259 (Ni-3507) /Agricultural Education/ in East-Central State, /Nigeria/.
/Doctoral thesis/. /Field work including /followup study/ of /university graduates/ in agricultural education from the University of Nigeria, using /questionnaires/ and /interviews/ of a /sampling/ of /farmers/, /students/, administrators, and academics. (1973-1974). Funding: Ford Foundation. J. Okorie. Iowa State in cooperation with Nsukka.

260 (Ni-4002) Growth Studies of the /Nigeria/n Child.
/Longitudinal study/ of /physical/, development/, /intellectual development/, /emotional development/, and aesthetic development of /pre-primary/, /primary/, and /secondary school children/, including a look at /health education/ in the secondary schools and the relation of /health/ to /physical education/ and academic /achievement/. (1972-1976). J.B.C. Okala, N. Uka, O.C. Nwana, E.I. Eke(Mrs), O. Onuoha, B.N. Amalaha. Education, Nsukka.

NIGERIA (continued)

261 (Na-4021) Problems of /Adolescents/ in /Nigeria/s /Educational Institutions/.
/Doctoral thesis/. (1971-?). T.O.S. Odesola. Education, Ibadan.

262 (Na-4022) Studies in /education/ and /adolescence/ in the Northern States of /Nigeria/.
/Field study/. (1970-?). A.S. Thakur. Advanced Teacher Training College, ABU.

263 (Na-4102) Development of /Achievement Tests/ in /French/ for /Nigeria/n /Students/.
(1973). F.A.I. Obanya. Education, Ibadan.

264 (Na-4102) Conduct of /History/ /Tests/ in /Primary Schools/ and /Secondary Schools/ in Northern /Nigeria/: An Examination of /Evaluation/. Examination of methods, objectives, interpretations, and follow-ups of testing based on /sampling/ of /teachers/ in /schools/. Attempt to determine teacher /attitudes/ toward /testing/ as part of /teaching/. /Comparative analysis/ of results in primary and secondary schools. Includes a look at outside examinations and /teacher qualifications/. (1972). D.A. Balogun. Education, ABU.

265 (Na-4103) Motivation for Occupational Preference Scale (MOPS), /Nigeria/.
/Test construction/ and determination of /validity/ of a scale for identifying an individual's motivation for preferring or choosing a particular occupation. Items in the following four areas-external influence, extrinsic reward, self-expression and people orientation-are included in the MOPS to identify an individual's motives of value-orientations with regard to /occupational choice/. (1970-1971). Publication: Department and Institute of Education, Ibadan, 1971. C.G.M. Bakare. Education, Ibadan.

266 (Na-4103) /Study Habits/ Inventory (SHI) Form S, /Nigeria/.
/Test construction/ and determination of /validity/ of a study habit inventory for use in /counselling/ /Africa/n /students/. Study habits which discriminate between high and low scholarship students are assembled into the final form of the SHI. A /manual/ is provided for guiding /examiners/ in /educational counselling/. (1970-1971). Publication: By the Department and Institute of Education, Ibadan, 1971. C.G.M. Bakare. Education, Ibadan.

267 (Na-4113) Predictive /Validity/ of Lorge-Thorndike /Intelligence Tests/ for /Achievement/ in /Nigeria/n /Primary Schools/.
Study concludes that despite the fact it was developed in a western /culture/, the Lorge-Thorndike Test can be used successfully for predicting academic success with a few minor modifications. Correlations were made with results of the /West Africa/n /School/ Certificate Examination. Publication: *West African Journal of Educational and Vocational Measurement*, I, (February, 1973), 49-59. E.A. Yoloye. Education, Ibadan.

268 (Na-4116) Robustness of Common Entrance Examination (CEE) in /Nigeria/.
Determine whether /primary school students/ participating in a pre-trial /test/ score better on the CEE. /Comparative analysis/ of 71 pupils from three /schools/ in pre-trial/testing/with 69 pupils from three comparable schools not participating in trials. (1970-1971). Funding: USAID and Ford Foundation. A.I. Fiks, A.O. Oloyede. TEDRO/WAEC.

269 (Na-4122) Reaction of /Students/ and /Teachers/ to the Probable Introduction of /Objective Tests/ in /School/ Certificate /History/ in /Nigeria/. (1973). A.A. Adeyinka. Education, Ibadan.

270 (Na-4173) /Student/ Problem Inventory (SPI) Form S, /Nigeria/.
/Test construction/. A large pool of items concerning /students needs/ and personal problems at the /secondary school/ level are assembled and statistically screened. From eleven major problem areas, 120 problems are then included in the final form of the SPI. A /manual/ is provided to guide /examiners/. (1970-1971). C.G.M. Bakare. Education, Ibadan.

271 (Na-4133) /Correlation/ between /Students'/ Entry /Qualifications/ and their /Performance/ in Degree /Examinations/ at the /University/ of Ibadan, /Nigeria/.
Quantitative analysis of examination results on advanced level or higher school /certification/ compared with degree /tests/ results. Will use data available from the University and the West African Examinations Council. (1970-1972). Funding: Ibadan. J.A. Majasan. Education, Ibadan.

272 (Na-4137) /Validity/ of /University/ Series /Selection/ /Tests/ in /Nigeria/.
To examine the usefulness of /objective tests/ for validity of eight subtests (/verbal tests/, quantitative and /science tests/) for two criteria (class of degree and rating by major professor); includes exploration of certain biological factors. (1970-1971). Publication: *TEDRO Research Notes*, 1971. Funding: US Agency for International Development. A.I. Fiks, U.M. Akpabio. TEDRO/WAEC.

273 (Na-4212) Influence of /Home Environment/ on /School/ /Achievement/.
Concentration on /Nigeria/n /primary school children/ in a selected /homogeneous grouping/. (1972-1973). E. Maduewesi (Mrs), and N.S. Nwosu. Education, Nsukka.

274 (Na-4212) /Psychological characteristics/ of /Academic Failure/ and Success among Western/Nigeria/n /Primary School Students/. (1971-?). C.G.M. Bakare. Education, Ibadan.

275 (Na-4212) Social /Interaction/ and /Learning/ in Upper Classes of /Primary Schools/. Samaru, /Nigeria/.
Research conducted in All Saints School to test the applicability of /sociometric techniques/ in the /school system/ for furthering proper /social adjustment/ and socially conducive atmosphere for learning. /Experimental group/ had 28 boys and 13 girls and /control group/ had 28 boys and 16

girls. Results: (a) sociometric techniques can show up cases of social maladjustment which can have detrimental effects on learning (b) a positive /correlation/ exists between social acceptance and academic /achievement/ and (c) creation of a socially conducive atmosphere in a /classroom/ enhances the learning experience of /children/. (1971-?). A.A. Sambo. Education, ABU.

276 (Na-4212) Determination of Factors in /Achievement/. Application of /objective tests/ to study the /motivation/ of the fifth formers in East Central State. in /Nigeria/. (1971-1972). Funding: Nsukka. B.M. Amalaha. Education, Nsukka.

277 (Na-4222) /Perception/ of Concepts of /Science/ and /Scientists/ by /Nigeria/n /Secondary School Students/.
S.T. Bajah. International School, Ibadan.

278 (Na-4302) Nature, Extent and /Psychological characteristics/ of /Ethnic Conflict/ among /Pre-Primary School/, and /Primary School/ /Children/, /Adolescents/ and /Adults/ in /Nigeria/.
/Field study/ and /psychological tests/, of /social relations/. (1971-1972). C.G.M. Bakare. Behavioural Science Research Unit, Ibadan.

279 (Na-4302) /Study/ of Developmental Trends in the /Learning/ and /Problem Solving/ /Behaviour/ of /Nigeria/n /Children/ in a Multiple-Choice Situation. Assessment of /student achievement/ using mechanical device to measure mechanical ability. Analysis of ability with /background characteristics/ such as /age/, /intelligence/, /physical development/ and /personality/ characteristics to formulate and test hypotheses about children's problem-solving abilit[illegible] (1972-?). Funding: Ibadan and private. J.[illegible] Abiri. Education, Ibadan.

280 (Na-4306) /Psychiatry/c Studies in the Abeokuta area, /Nigeria/(including Juvenile /Delinquency/, /Mental Illness/).
(1967-?). T.A. Lambo, *et al.* WHO, Geneva.

281 (Na-4311) Changing /Perceptions/ of Family Power Structure and Manipulative /Behaviour/ among Yoruba /Children/ in /Nigeria/.
/Doctoral thesis/ on /developmental psychology/ and /family structure/. (1973). M.O. Olasehinde. Education, Columbia.

282 (Na-4321) /Attitudes/ of /Nigeria/n /Secondary School Students/ towards/ Primary School/ /Teaching/ as a /Career/.
/Doctoral thesis/ in /educational administration/ and /school systems/. (1972). N.A. Nwagwu. Education, Columbia.

283 (Na-4402) Form and Colour /Perception/ of /Nigeria/n /Children/.
Study of development of /visual perception/ in order to suggest ways of improving pictoral /illustrations/. /Testing/ of colour recognition and preference and form recognition, labelling and construction by /pre-primary children/ and /primary/ /students/. Form study includes junior classes of /secondary school/. (1971-1973). F.I. Eke (Mrs). Education, Nsukka.

284 (Na-4412) /Cognitive Development/ in the First 5 years and Its Relationship with /Nutrition/ and Patterns of Feeding in /Nigeria/.
/Field study/ of /child development/ in Nigeria. (1973-?). L. Bloom and S. Mudambi. Psychology, Nsukka.

285 (Na-4412) Development of /Lateral Dominance/ and Right-Left Discrimination in /Nigeria/n /Children/ /Tests/ administered to a sample of children ranging from 4-11 years and coming from different /socioeconomic backgrounds/. (1969-1971). Publication: Monograph in late 1971. C.G.M. Bakare. Education, Ibadan.

286 (Na-4412) Study of Shape and /Number Concepts/ Among Yoruba-speaking Six-year-olds in Selected /Primary Schools/ in Western State / Nigeria/.
An investigation into the concepts which six-year olds bring with them to /school/ from home in the first three months of formal schooling. The study will be carried out in carefully selected, randomized, stratified population areas to include /children/ of different /socioeconomic backgrounds/ and from /urban areas/ and /rural areas/. Quality and quantity of /concept formation/ will be studied using diverse /verbal tests/ and non-verbal instruments such as /questionnaires/ administered as /interviews/, playing with paper and wooden blocks, counting and grouping seeds and making shapes. Planned administration of constructed and validated research instruments to approximately 1,000 subjects. (1971-1972). B.O. Osibodu (Mrs). Education, Ife.

287 (Na-4412) Visual Memory in /Nigeria/n /Children/.
Study of the immediate memory of children from 4 to 11 years for certain types of visually-presented stimuli. The stimuli consist of objects, pictures, letters, numbers, "codable" and "uncodable" geometric figures which are presented briefly to /students/ of different /socio-economic backgrounds/ and from /urban areas/ and /rural areas/. Their short term /retention/ of these stimuli are then compared across ages, sexes and backgrounds. Implications of the findings in the educational and clinical settings will be explored. Norms for a /visual learning/ /test/ will be provided for /educational testing/. (1969-1972). C.G.M. Bakare Education, Ibadan.

288 (Na-4442) Study of /Scientific Concepts/ of Selected /Illiterate Adults/ in the Western State of /Nigeria/.
Purpose of study is to (i) determine what non-school factors impinge on the /school-going/child/ in the learning, understanding and application of scientific concepts because of /perception/ of /parents/ or other friends and relatives and (ii) to measure the understanding of the illiterate adult of the scientific bases of natural phenomena. /Questionnaire/ used included natural phenomena such as rain, thunder, etc. After a /statistical analysis/ of the responses on the pre-test, the

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the modified instrument was to be used with a 2,000 person /random sampling/ to determine if there are significant differences in responses in relation to sex, geographical location, occupation, and age group. (1969-1972). Funding: Research Grant, Ife. A.B. Fafunwa, J.A. Adeyinka, A.A. Taiwo. Education, Ife.

289 (Na-4501) Congurence of Basic Personal Orientation with /Vocational Education/: Its /Relationship/ to Conditions of Choice and /Performance/ and satisfaction in Selected Vocational Training /Programmes/ in /Nigeria/.
/Doctoral thesis/ in /Guidance/ and /Secondary Education/. (1972-1973). S.A. Gesinde. Education, Columbia.

290 (Na-4501) Proposal for /Guidance/ /Counselling/ in Western /Nigeria/ utilizing the Babalawo Approach and Other Western Approaches.
/Doctoral thesis/. (1973-?). Funding: AASC. I.O. Makinde. Massachusetts.

291 (Na-4502) /Educational Counselling/ and /Vocational Counselling/ in /Nigeria/n /Schools/ and Study of Job Choice and /Attitudes/ towards /Jobs/. /Questionnaires/ and /interviews/. (1972-1973). K.A. Aja, H.I. Amatu. Psychology, Nsukka.

292 (Na-4502) Scholastic /Aptitude Tests/ for /Guidance/ and /Counselling/.
Development of /standardized tests/ called the Ibadan Scholastic Aptitude Tests (ISAT) based on a /sampling/ of /students/ throughout /Nigeria/. Predictive /validity/ studies are also underway. (1970-1973). Funding: University of Ibadan. E.A. Yoloye. Education, Ibadan.

293 (Na-4506) Choice of Scientific /Careers/.
/Survey/ and analysis of /career choices/ as /scientists/ among /Nigeria/n /university/ /students/, sixth form students and employed /adults/ between the /age/s of 18 and 28, using a country-wide /sampling/. The data will be compared against /policy/ statements and public opinion influences on career selection. (1970-1972). Funding: UNESCO. E.A. Yoloye, C.G.M. Bakare, and J.O.O. Abiri. Education, Ibadan.

294 (Na-4522) Identification of Personal Problems: /Secondary School Students/ North Central State, /Nigeria/.
Intends to suggest solutions to problems of social and/personal growth/ with emphasis on /guidance services/ and /counselling/ in/secondary schools/ as well as direction for /administrators/. A /questionnaire/ or /youth/ inventory was used in collecting /statistical data/ from a /sampling/ of about 600 /students/ in 14 schools. (1972-?). S.E. Okon. Education, ABU.

295 (Na-4522) /Job/ Aspirations of the /Youth/ and the Educational Provisions in Lagos, /Nigeria/.
Conclusions of the study indicate that adequate /counselling/ and /guidance/ of /secondary school students/ is essential in their choice of /occupations/ to fit their talents and interests. Study also identified need for more qualified /teachers/, better /agricultural education/, more support from the/government/ for Institutes of Technology, and the development of offerings to /manpower needs/. Publication: *West African Journal of Education*, XVII, (February, 1973), 41-49. M.S. Olayinka. Education, Lagos.

296 (Na-4522) /Job/ /Values/ and Desires Among Some /Adolescents/ in /Nigeria/.
Study included 159/males/ and 71 /Females/ in last year in /secondary school/ in Western Nigeria. Subjects ranked 10 value statements in order of importance to them. Results of males and females were similar. A job where one could work on his own was given the highest value rating. Publication: *West African Journal of Educational and Vocational Measurement*, I, (February, 1973), 28-34. J.O. Ogunlade.

297 (Na-4523) Post-War Problems of /Secondary School Students/.
To assist /teachers/and /guidance personnel/ and /counsellors/ by a description and analysis of problems of 500/adolescents/ and comparison with problems as perceived by /principals/ and teachers. (1971-1972). E.I. Eke (Mrs). Education, Nsukka.

298 (Na-4531) /Model/ for /Guidance/ and /Counselling/ Services for the /University/ of Benin, /Nigeria/. /Survey/ of /student personnel services/ and /counselling programmes/ in the United Kingdom and Nigeria, and their /relationships/ to staff and /student needs/. Objective is to produce model for University of Benin. (?-1975). R. Momoh. Education, Cardiff.

299 (Na-4531) Proposed /Student Personnel Services/ for Ahmadu Bello /University/, /Nigeria/.
/Doctoral thesis/. (1970-1971). C.S. Abashiya. Education, Ohio.

300 (Na-4531) /Student Personnel Services/ in /Nigeria/n /University/es: /Evaluation/ and Proposals. /Doctoral thesis/ on /higher education/ and /educational administration/ in student personnel. (1972). A.J. Esen. Education, Columbia.

301 (Na-4601) /Physical Education/ Student Teaching/ /Supervision/ Practices in Western /Nigeria/. /Doctoral thesis/. (1973-1974). A.O. Fatile. Education, Columbia.

302 (Na-4602) /Perception/ of Depth in Two-Dimensional Pictures by /Nigeria/n /Children/ as a Function of Available Cues.
Aims at establishing the ability to perceive depth and to determine the effectiveness of depth cues used in pictures to make the /visual perception/ possible. Also to investigate the effect of /environmental influences/ on the ability to perceive depth. /Sampling/ from /rural/ and /urban areas/ (Bassawa, Shika, Bomo, Sabongari, and Tudunwada). (1972-?). D.A. Baikie. Education, ABU.

303 (Na-4602) /Physical Development/ of /Nigeria/n /Youth/.
Use of the Harvard /test/ for endurance and the Spirometer for lung volume. (1972-1973). S.O. Ebeze. Health and Physical Education, Nsukka.

304 (Na-4622) /Health Needs/, Interests and Problems of /Students/ in /Teacher Education/ /Colleges/ in

Lagos State, /Nigeria/.
/Survey/ to develop a /health education/ programme for the preparation of /health education/ /teachers/ and to help students to solve personal health problems. Included 30% (700) of the students from four of the five co-educational teacher training colleges in Lagos State. Opinions of /health personnel/ and /principals/ were taken. /Questionnaires/, /interviews/ and /observational studies/ were used. (1970). Publications: Mimeographed project report. Funding: Central Research Committee, Lagos. Z.S. Ademuwagun. Education, Lagos.

305 (Na-4622) /Health Needs/, Interests and Problems of/Secondary School Students/ in Lagos State, /Nigeria/.
/Survey/ to develop a /health education/ programme for /students/. A /sampling/ of about 500 students 40 /teachers/ and /principals/ and school /health personnel/ from 20 /secondary schools/ in Lagos State were involved. Schools were randomly selected from /rural areas/ and /urban areas/ in order to have a cross-section of /socioeconomic backgrounds/. /Questionnaires/, /interviews/ and /observational studies/ were used. (1969-1971). Publications: Mimeod project report. Funding: Central Research Committee, Lagos. Z.S. Ademuwagun. Education, Lagos.

306 (Na-4632) /Health Needs/, Interests and Problems of the University of Lagos /Students/, Lagos, /Nigeria/.
/Survey/ of /universities/ to develop a /health education/ /curriculum/ for the university level and to help the students solve their personal health problems. Surveys conducted on/sampling/ of 20% (300) of the 1500 students at University of Lagos, /Health personnel/, plus review of /students' records/. /Questionnaires/, /interviews/, and /observational studies/ were used. (1970-1971) Publications: Mimeod project report. Funding: Central Research Committee, Lagos. Z.S. Ademuwagun. Education, Lagos.

307 (Na-5002) Investigations of (i) the Factors affecting the Choice of /Mathematics/ as a /Teaching/ Subject by Undergraduate /Students/ of the /University/ of Ibadan, and (ii) the/Attitude/ of /Secondary School Students/ Towards /Mathematics/ in some of the /Schools/ that Teach Modern Maths. (1972?). R.A. Fakuade. Education, Ibadan.

308 (Na-5211) /Teaching/ of /History/ in Western /Nigeria/n /Primary Schools/.
/Doctoral thesis/. (1972). S.A. Adejunmobi. Education, Ibadan.

309 (Na-5211) World Initial Teaching Alphabet (WITA) Project.
A research into a technique of /teaching/ /reading/ to beginners. /Nigeria/. (1968?-?). J.O.O. Abiri. Education, Ibadan.

310 (Na-5211) /Educational Methods/ in the /Secondary Schools/ of /Nigeria/.
/Doctoral thesis/ study of /pedagogy/ done from responses to 10 /questionnaires/ and secondary sources. Suggests that teaching methods and organizational patterns of /instructional programmes/ prepare /students/ better for life in their home /culture/ and that /certification/ requirements for /teachers/ be upgraded. (1970). F. Ekpenyong. Education, Brigham Young.

311 (Na-5222) Serial Position of Practice Exercises in /Science/ /Learning/: An Investigation of the Processes of Acquisition and /Transfer of Training/ in an Area of Science Using /Self-Instructional Methods/.
/Experimental study/ of /sequential learning/ and influence of serial position on what is learned and the /problem-solving/ capability of the learner. Involves two types of criterion tests which have been constructed for the project covering five groups of self-instructional materials. These are administered to sixth form /students/ before and after they work through /programmed materials/. Results are related to /background characteristics/ using factor analysis. (1972-1973). T.A. Balogun, Ibadan.

312 (Na-5301) /Teacher Education/ in /Nigeria/.
/Doctoral thesis/,/educational history/. Study of teacher training in Nigeria in 1948, its development between 1948 and 1965, emphasizing the post-independence years and examining teacher training as part of the national plan for education. (1967-1971). M. Samioullah. Institute of Education, London.

313 (Na-5313) Investigation into the High Incidence of /Failure/ in the Grade II /Teachers'/ Certificate Examination in the Western State of /Nigeria/. Investigation of causes of falling /standards/ of /primary education/. Hypotheses is that problem lies with poor quality of /primary school teachers/. Attempt to discover reasons for failure of college trainees. Includes a look at /college curriculum/ and /syllabuses/ for /educational testing/, /college teachers/, recruitment of /college students/, recruitment of /examiners/, conduct and administration of /tests/. Appraisal of the effects of these elements on /performance/s of candidates. (1970-1972). J.A.F. Sokova. Education, Ife.

314 (Na-5331) /Training/ of Some Non-Graduate /Science/ /Teachers/ in /Nigeria/-- A Cross-Sectional Investigation.
/Doctoral thesis/. /Field study/. (1973-?). Funding: AASC. A. Falavajo. Education, Ontario Institute.

315 (Na-5402) /Attitudes/ of /Student Teachers/ to /Teaching/.
/Questionnaires/ administered to 35 National Certificate of Education /Students/ of /French/ at Lagos, /Nigeria/. Results showed favourable attitudes on the part of the students, but not as positive as would be expected. /Females/ scored higher than /males/. Positive attitudes correlated with success in teaching practice. Author attributes lower than desired interest to the general state of professional opportunities. (1971). Publication: "Student Teachers' Attitude to Teaching," *Ghana Journal of Education*, III, (October, 1972), 1-10. P.A.I. Obanya. Education, Ibadan.

NIGERIA (continued)

316 (Na-5413) Investigation of the Professional /Attitudes/ of Lagos, /Nigeria/ /Primary School Teachers/.
Study of primary school teachers who have paid work in addition to their job as a /teacher/. Using /observational studies/, /test results/ of /students/ on both internal and external /tests/, and obtaining /student attitudes/ toward the performances of their teachers from the older and more mature pupils, an attempt will be made to determine what effect the outside work has on the teacher's classroom performance. Investigation, also, of the nature and extent of, as well as the reasons for, the increasing extra commitments of teachers. Preliminary data were obtained from/surveys/ and /questionnairs/ on /educational background/, /social background/ and /cultur/al background/ sent to 400 teachers. (1970-1971). Funding: University of Lagos Central Research Fund. E.O. Fagbogbe, Lagos.

317 (Na-5421) /Relationship/ Between Selected /Teacher/ Variables and Teacher /Job Satisfaction/ in Western /Nigeria/n /Secondary Schools/.
/Doctoral thesis/. (1971-1972). S.A. Olatunji. Education, New York.

318 (Na-5522) /Experimental Group/ Study of Effects of Persuasive /Communication/ on /Ethnic Group/ Attitudes/ among /Upper Secondary School/ /Students/ in Three Areas of /Nigeria/.
/Field work/ based on /sampling/ in /rural areas/ and /urban areas/, using /interviews/ and /questionnaires/. /Social relations/. (1973-1974). Funding: Ford Foundation. C.G.M. Bakare. Education, Ibadan.

319 (Na-5532) How /Students/ at /Colleges/ of Education View Their /Teachers/ and Evaluate Their /Teaching/.
Identification of /student attitudes/ toward /teacher characteristics/ which foster effective or non-effective /student teacher relationships/. Project involves 160 /college students/ in /Nigeria/ who are asked to identify two superior teachers from their past. Their answers will be codified into best and least liked qualities. (1972). M.S. Olayinka. Education, Lagos.

320 (Na-6101) /Bilingualism/ and Related Factors of Success in /Second Language/ /Learning/.
/Doctoral thesis/. (1973). P.A.I. Obanya. Education, Ibadan.

321 (Na-6101) Problems of /Teaching/ the /Mother Tongue/ in a /Second Language/ Situation, with Particular Reference to Yoruba.
/Doctoral thesis/ on/mother tongue instruction/ in /Nigeria/. (1971-?). T.A. Awoniyi. Education, Ibadan.

322 (Na-6102) /Drop-Out/ Problem in the Foreign /Language/ Class.
(1973?). P.A.I. Obanya. Education, Ibadan.

323 (Na- 6102) Growth of /Islamic Studies/ and /Arabic Education/.
/Field study/ of Yoruba /literacy/ in Arabic. South-Western /Nigeria/. (1969-1972). H.K. Bidmus. African Studies, Ibadan.

324 (Na-6102) /Languages/ in Contact: A Study of /Thought-Processes/ of /English/-Ibo/ Bilingual Students/ at /Primary/ and /Secondary Schools/ and /Universities/.
/Comparative analysis/ of verbal responses of /Nigeria/n /students/ on /visual tests/ as well as of recorded /speech/ and written /composition/. (1971-1973). F. Ohahakwe. Nsukka.

325 (Na-6102) Psycholinguistic and /Environmental Influences/ in /Reading/ Backwardness.
/Doctoral thesis/ on factors of /psychology/, /language/, and /environment/ in /reading difficulty/, in /Nigeria/. (1971-?). S.O. Unoh. Education, Ibadan.

326 (Na-6102) Stability and Change in the /French/ /Language/ /Ability/ of /Nigeria/n /Teachers/. (1973?). P.A.I. Obanya. Education, Ibadan.

327 (Na-6104) Problems of /Mother Tongue Instruction/ in /Nigeria/.
/Doctoral thesis/ about the evolution of the major Nigerian /languages/ and the impact on /teachers/ /attitudes/ and /motivations/ towards /teaching/ local languages. Presents an historic- analytical study. (1969-1974). T.A. Awonivi. Education, Ibadan.

328 (Na-6114) Rivers Readers Project.
Analysis of some nineteen /mother tongue/ /languages/ of the Rivers State in /Nigeria/ and development of a universal system of /orthographic symbols/. Aimed at /curriculum development/ in the form of /reading/ primers for /primary schools/ in cooperation with the Ministry of Education of the State.(1969-?). Funding: Rivers State, Ford Foundation, UNESCO. K. Williamson, Linguistics, and Nigerian Languages; and J. Alagoa, African Studies, Ibadan.

329 (Na-6122) /Language/ Study in /Nigeria/n /Secondary Schools/.
Language study as it exists and ways and means in which interest can be generated and sustained in /mother tongue/ languages so that proficiency can be reached before /students/ complete their secondary education. (1972). C.A. Duruji. Nsukka.

330 (Na-6202) Problems of Leisure Among the Yoruba.
An investigation into the /leisure time/ practices of the Yoruba in /Nigeria/ with the aim of preparing /students/ to spend their leisure-time profitably during and after school-life. Emphasis on what now exists in the /school/ /curriculum/ and what kinds of /after school activities/ there are. (1971-1972). C.O. Taiwo. Education, Lagos.

331 (Na-6204) /Curriculum Evaluation/ of the /English/ /Course in the /Nigeria/n Certificate of Education.
/Curriculum development/ project that will create new materials for NCE/teacher education/. (1971-1973). Funding: Institute of Education, ABU. A.O. Ozigi. Institute of Education, ABU.

332 (Na-6204) Effectiveness of Sixth Form Classes as Preparation for /University/Entrance.
/Course evaluation/ of /upper secondary education/ to improve /curriculum/ for better preparation for university /admission/ in /Nigeria/. (1971-1973). Funding: Institute of Education, ABU. A.O. Ozigi, Institute of Education, ABU.

NIGERIA (continued)

333 (Na-6204) Yoruba/English/ Primary Project.
Study to improve /primary education/ through /curriculum development/ in five instructional areas: Yoruba, English, /primary school mathematics/, /primary school science/, /culture/ and /social studies/. Since the majority of /Nigeria/n /children/ experience a /terminal education/ in /primary schools/, the /curriculum/ must have the highest value. Yoruba is used as the medium of instruction in order to demonstrate that /mother tongue instruction/ is at least as effective and meaningful as a /second language/. The project was started in one traditional /school/ in Ile-Ife, in the Western State, in 1970. No further intake in Class One will be made after 1975. /Experimental groups/ use new curriculum and receive instruction in Yoruba and study English as a second and distinct language, adequate enough for /secondary school education/ and employment out of primary school. /Control groups/ continue in the traditional manner of using the Yoruba medium in the first three years and English in the last three but with the new curriculum. Other Western Nigerian schools not participating in the program provide an additional control since they continue using the traditional curriculum. /Curriculum workshops/ have been held annually at Ife since 1970. In addition to /inservice teacher training/, attention is being given to /teacher education/ in the primary level /teachers colleges/ in order to determine the most effective training required for adoption of these /language programmes/. Related research is also underway on the syntax and/lexicology/of existing curriculum used in Western State. (1970-1980?). Publications: /Syllabuses/, schemes of work and teaching materials for pupils and teachers are being developed for the six-year primary education and three year pilot teacher training programme. A.B. Fafunwa, J.A.F. Sokoya, J.I. Macauley, Education, Ife; A. Afolayan, English, Ife, *et al.*

334 (Na-6212) Participation of Local Systems in a Pan-/Africa/n Experiment in Education.
To study the adaptation of the Africa Primary Science Project (A.P.S.P.) /curriculum/ to local education systems in Lagos, /Nigeria/. Purpose of the programme is to identify /change agents/ and preferences of local systems and then to induce changes in the /primary school science/curriculum. A number of teaching units were introduced into a few /primary schools/. Cooperation with the educational establishments resulted in concerted /in-service teacher education/. The locally trained /teachers/ were entrusted with the preparation of science teaching guides and the local educational system accepted the philosophy of the method. (1967-1971). Funding: Education Development Centre, under a contract from USAID/Lagos, Lagos State Ministry of Education, Lagos City Council Education Department. A. Osivale. Education, Lagos.

335 (Na-6212) Successive /Evaluation Revision Procedures to Improve Map Reading/Instruction/ in /Nigeria/n Primary Schools/.
Adaptation of map reading /curriculum/ in /geography/, developed in the United States, for Nigerian primary six pupils to assure /validity/ through successive evaluation and revision. /Measurement/ of /student attitudes/ and /achievement/ using the original and new curricula. (1972-1973). Funding: ICEF of Ibadan with grant from Carnegie Corporation. P.O. Okunrotifa. Education, Ibadan.

336 (Na-6213) Development of Materials for /Teaching/ /Primary School Science/ and for /Teachers Colleges/.
National Primary Science Program (NPSP). Science educators, scientists, /teachers/, and /teacher educators/ met to develop materials. Associated with the Nigerian Educational Research Council (NERC), and involves participants from all /Nigeria/n /Universities/ and all State Ministries of Education. (1973-?). Funding: USAID. E.A. Yoloye. Education, Ibadan.

337 (Na-6213) Effectiveness of Current /Primary School/ /Syllabus/ in Western State, /Nigeria/.
/Curriculum Development/. An assessment of current syllabuses in terms of adequacy of aims; appropriateness of content and methodology; needed /instructional materials/ and /evaluation methods/ in order to achieve balance. Functionality, relevance and coherence. (1970-1971). Publication: Part of monograph of abstracts of essays, Education, Ife. A. Adaralegbe. Education, Ife.

338 (Na-6213) /Primary School Science/.
Development of units for /teaching/ science. Trial of experimental curriculum/ of Science Education Programme for Africa (SEPA) Units. Developing /teacher education/programmes. ((1972-1974). Funding: Carnegie Corporation and SEPA. O.C. Nwana. Education, Nsukka.

339 (Na-6214) National /Primary School/ /Social Studies/.
/Curriculum Development/. Statements of goals and purposes of the /teacher education/ in social studies programme; identification of appropriate content areas in /psychomotor skills/ and /cognitive development/; suggested methods and /instructional materials/; and the designing of effective /evaluation methods/. Work on the same project in Western State and Mid-West. Requested by National Education Research Council (NERC),/Nigeria/. (1970-1971). Funding: Federal Ministry of Education. A. Adaralegbe. Education, Ife.

340 (Na-6214) /Primary School Mathematics/ Project.
Development of /syllabus/, /textbooks/ and /teacher education/ materials based on result of /test/, etc. (1970-1976?). Funding: Institute; Ministeries; UNESCO/UNICEF. P. Lassa and C. Forshaw. Institute of Education, ABU.

341 (Na-6214) /Social Studies/ Project.
To write /syllabuses/, /textbooks/ and /teacher education/ materials based on the results of/tests/ etc. (1970-1976?). Funding: UNESCO/UNICEF; Institute; Ministries. E. Udoh and A.O. Ozigi. Institute of Education, ABU.

342 (Na-6214) Use of Hausa /Language/ as a Medium of /Instruction/ in the First Three Years of Schooling.
To develop new materials for /primary schools/ based

on results of /tests/, etc. to write tests and /teacher education/ materials. (1970-?). Publications: /Syllabuses/ and /textbooks/. Funding: Institute of Education, ABU; UNESCO/UNICEF; Ministry. M.Y. Aliyu. Institute of Education, ABU.

343 (Na-6221) Framework for /Secondary School/ Social Studies/ in /Nigeria/ and its Implications for /Curriculum Development/.
/Doctoral thesis/ on /teaching/ methods. (1973-1974). F.A. Ndubisi. Education, Columbia.

344 (Na-6222) /Comparative Analysis/ of /Geography/ and /Social Studies/ Curriculum in Western /Nigeria/n /Secondary Schools/.
Study of the emphasis on man /environment/al /relationships/ in geography and social studies courses in first two years of secondary school. (1972-1973). I.O. Ajimoko. Education, Ibadan.

345 (Na-6222) Non-Parametric Evaluative Study of Some Aspects of /School/ /Chemistry/ in /Nigeria/n /Secondary Schools/ with Particular Reference to: (i) Objectives for Practical Work in Chemistry. (ii) /Student/ Preferences for Different Methods of Assessing Practical Work in Chemistry. (1972?). S.T. Bajah. International School, Ibadan.

346 (Na-6223) /Attitudes/ and /Achievements/ in a Programmed Unit of /Geography/.
/Doctoral thesis/ development and determination of /validity/ of /experimental curriculum/ in geography using /programmed instruction/. To investigate differences in attitudes and achievement between /rural youth/ and /urban youth/ and /sex differences/. Use of /control groups/. Also to investigate relationship between attitudes towards programmed instruction and achievement. Form II /Students/ in /secondary schools/ of /Nigeria/, North Central State. (1969-1972). Funding: Education, ABU. P.O. Okunrotifa. Education, ABU.

347 (Na-6223) /Curriculum Development/ for /Secondary School/ /Science/.
/Chemistry/, /physics/ and /biology/. (1968-?). Science Teachers Association of Nigeria, Lagos.

348 (Na-6223) Development of /Geography Instruction/ in /Nigeria/n /Secondary Schools/.
Nigerian Geographical Association (/Professional association/) is working with Institute of Education to write and produce /textbooks/ and guides for the /schools/ which reflect an entirely new approach to the study and use of geography. Collection of local examples and /case studies/. Use of standard geographical terms in human geography. /Curriculum development/ and /textbook preparation/. (1969-1973). Publications: *New Dimensions in High School Geography*. Funding: Ford Foundation and Institute of Education. J.A. Majasan. Education, Ibadan.

349 (Na-6224) /Comparative Analysis/ of Effectiveness of the /Syllabuses/ for Traditional /Mathematics/ versus /Modern Mathematics/ in Northern /Nigeria/.
/Doctoral thesis/, /field study/ with /statistical analysis/. (1974-1975). Publication: *Modern Maths Syllabus for Grade II Teachers*, adopted by the West African Examinations Council, 1972. Funding: North-Eastern State Government, Nigeria. P. Lassa. Education, Wisconsin, and Institute of Education ABU.

350 (Na-6224) /Curriculum Development/ and /Instructional Materials/ for Use in Basic /Vocational Education/ and /Technical Education/ in /Secondary Schools/ of/Nigeria/.
/Curriculum evaluation/ in terms of the needs of modern Nigeria, as well as curriculum development. Includes /inservice education/ for /teachers/, development of /textbooks/ and work with /professional associations/ and /government/ ministries to stimulate adoption and use of materials. (1965-?). Publications: Students' and teachers' editions and /syllabuses/ for Home Economics, (pilot materials, 1972-1973); *Technical Drawing*, (Ibadan: Longmans, 1970); and *CESAC Newsletter Digest*. Funding: Nigerian Federal Government; Ford Foundation; University of Lagos. M.M.B. Somade, O. Ozoro. CESAC.

351 (Na-6224) /Curriculum Development/ for a Basic /Social Studies/ Course for the first two years of /Secondary Schools/ in /Nigeria/.
/Curriculum development/ and /curriculum evaluation/ including /inservice education/ for /teachers/, development of materials, feedback conferences, and work with /professional associations/ and /government/ ministries to stimulate adoption and use. (1965-?). Publications: Students' and Teachers' editions of a social studies /textbook/, 1973, (2nd. edition); /syllabuses/. Funding: Nigerian Federal Government; Ford Foundation; University of Lagos. M.M.B. Somade, O. Ozoro. CESAC.

352 (Na-6224) New /Biology/ /Curriculum/ for /Nigeria/n /Secondary Schools/.
/Doctoral thesis/. /Curriculum Planning/ for /science education/. (1970-1972). Funding: Ford Foundation. D. Aderinlowo. Science Education, Harvard.

353 (Na-6224) /Nigeria/n /Secondary School Science/ Project.
/Curriculum development/ and /curriculum evaluation/ (1965-?). Publications: /Textbook/ for /teachers/ only, developed earlier for first two years of secondary school. Students' and Teachers' editions of textbooks in integrated /general science/, /biology/, /chemistry/, and /physics/, for the last three years of secondary school, in pilot stages, /syllabuses/. Funding: Nigerial Federal Government; Ford Foundation; University of Lagos. M.M.B. Somade, O. Ozoro, O. Agbebi, N. Kimball. CESAC.

354 (Na-6233) /Technology/cal /Curriculum Development/ for /Nigeria/.
To study technological curricula of other countries that have recently become highly industrialized, e.g. /China/ and /Japan/ and then to develop curriculum for Nigeria and other developing countries. For use in /universities/ and /technical institutes/ (1971-?). F.C.N. Agbasi. Education, Nsukka.

355 (Na-6342) /Visual Perception/ of Symbols by Rural /Farmers/ of Bomo and Bassaw Villages /Nigeria/.
Purpose is to establish understanding of visual symbols used in /communication/ of ideas to farmers. Visual materials were adapted from those used for /adult/ /literacy campaigns/ in /agriculture/. Pictures were treated under three categories: Black Iconic, Black Iconic with details, and coloured Iconic with details. (1972-?). D.A. Baikie. ABU.

NIGERIA (continued)

356 (Na-6343) /Evaluation/ of /Univerity/'s /Television/ Programmes for /Adult Education/.
To evaluate and improve the quality of Ahmadu Bello University's (/Nigeria/) /educational television/. /Sampling/s will be taken of /audiences/ in Zaria, Kaduna and Kano. (197?-?). Funding: Adult Education and General Extension Services, ABU. G. Salama. Adult Education and General Extension Services, ABU.

357 (Na-6402) Utilization of /Audio-Visual Aids/ (/Instructional Materials/) in /Nigeria/n /Schools/ with particular reference to East Central State.
Assess the part a better use of audio-visual aids can play in arresting the falling standard of /education/ in /primary schools/ and /secondary schools/ (1972-1974). C.E.N. Okpala. Nsukka.

358 (Na-7002) Obstacles to /Innovation/ in the /Nigeria/n Educational System.
To discover why inspite of the persistent call for /educational reform/, /change agents/ seem to have little effect. Use non-empirical sources, mostly findings in /sociology/ and /anthropology/, on the problems of modernization in /developing countries/ as applied to education. (1971-1973?) Funding: Partial Ife Research Fund grant. J.A. Akinpelu. Education, Ife.

359 (Na-7101) Development of the British System of Education in /Nigeria/.
/Doctoral thesis/ study of /educational history/ which concludes that under the British Government the /policy/ of /training/ Africans was chiefly designed to fill subordinate and clerical positions. /Agricultural education/ was neglected. British curricula were used exclusively. This descriptive study tries to provide basis for constructive assessment of contemporary education in relation to Nigerian /culture/. (1969-1970). S.I. Njoku. History, Oregon.

360 (Na-7101) Lord Lugard's /Education Policy/ in /Nigeria/. (1900-1918).
/Doctoral thesis/ on /educational history/. (1971-1973). E.O. Adetunji. Education, Ibadan.

361 (Na-7102) /Biography/ of Henry Carr (1869-1945), the First /Supervisor/ of /Schools/ in /Nigeria/.
/Doctoral thesis/ on /educational policy/es and /educational history/ in Nigeria, 1942-1949. (1971-1973). A. Fajana. History, Ife.

362 (Na-7102) Development of the /Nigeria/n Educational System Since 1944.
To study the growth, development and /educational trends/ of the system. A continuation of the /educational history/ /doctoral thesis/ on *Henry Carr: An /Africa/n Contribution to Education*, which brings out the problems of establishing and maintaining an educational system. Period covered includes the birth of a /university/, /decentralization/ of /administration/ of education and post-independence development. (1971-1972). C.O. Taiwo. Education, Lagos.

363 (Na-7102) History of Formal Education in Ibadan City.
/Educational history/ study of origin and development of formal education from missionary period (1859) to present, including secondary /technical education/, /vocational education/, and /higher education/. Will review aims of society in /adoption of formal /schools/ and extent to which these aims have been fulfilled, to assess future impact of formal education on development of the City. (1972-1973). Funding: Senate. A.A. Adeyinka. Education, Ibadan.

364 (Na-7111) Influence of /Economic Development/ on the /Primary Schools/ Systems of Eastern /Nigeria/ 1940-1960.
/Systems analysis/ of /economic factors/ in /primary education/. Economic /educational history/ of a part of Nigeria. (?-1973). J.I. Nwaogu. Cardiff.

365 (Na-7122) Debate on the King's /College/ Scheme (Lagos, /Nigeria/).
/Educational History/. (1971-?). F.O. Ogunlade. History, Basic Studies, ABU.

366 (Na-7123) History of /Community Development/ of /Secondary School/ /Education/ in Yorubaland (Western /Nigeria/), 1859-1960.
/Doctoral thesis/ on /educational history/. /Study/ of the role of /community/ in developing/ secondary education /with special reference to local contributions in terms of /financial support, land and /personnel/. (1972-1975). Funding: private. A.A. Adeyinka. Education, Ibadan.

367 (Na-7124) Historical /Survey/ of the Rise and Fall of Sixth Forms in the Western State of /Nigeria/.
/Education History/, /secondary schools/, with advice of Ministry of Education. A.A. Adeyinka. Education, Ibadan.

368 (Na-7202) /Political socialization/ among /Nigeria/n /children/.
(1971-?). O. Omoruyi. Political Science, Ibadan.

369 (Na-7231) Effects of /Nigeria/n Political Activities on the Nation's /Higher Education/: 1926-1966).
/Doctoral thesis/ study based on /questionnaires/, /interviews/, and secondary sources. Opinions of /administrative personnel/ of the five /universities/, persons involved with the three political parties, and government officials concerned with education were obtained. Conclusion was that /academic freedom/ was endangered by interference from time to time by political institutions, a result of the universities having been founded by political leaders who were determined to maintain control. Recommends that /teachers/ and /students/ and the university be allowed more autonomy and the right to hold political opinions, even those not in agreement with the government. (1971). R.O. Uneghu. Education, Catholic University.

370 (Na-7232) /Political Socialization/ of /University/ /Students/ at Nsukka, /Nigeria/.
(?-1973). E.O. Awa, M.B. Ukpong, and C. Ego. Political Science, Nsukka.

371 (Na-7401) Education in Iboland, /Nigeria/: A proposal for the Effective Ibo /Culture/-Oriented System.
/Doctoral thesis/ study done from /interviews/ and secondary sources. Nine proposals for /education reform/ including attitude of the general public toward education; /school/ /programmes/, /students/,

NIGERIA (continued)

/teachers/ and instructional and /learning processes/; /teachers colleges/; /educational testing/; /curriculum development/ and a Nigerian school certificate as a means for encouraging and protecting a national standard of education. Conclusions concerning culture were that education is still a foreign institution in Iboland; that the system had retained its foreign character and that it looked outward for culture rather than inward. (1970). H.N. Emeruwa. Education, Indiana.

372 (Na-7401) Efe/Gelede: The Educative Role of the /Arts/ in Traditional /Cutlure/,/Nigeria/.
/Doctoral thesis/. (1973-?). M.J. Drewal. Art, Columbia.

373 (Na-7412) How to Reflect Indigenous /Philosophy/ of Life in Modern /Primary School/ Education.
/Comparative analysis/ of common features of various types of /Nigeria/n /indigenous/ education to determine which could be injected into the foreign-oriented formal system. A study of the Yoruba type has been completed and additional data on other /ethnic groups/ is sought. (1970-1973). Funding: private. J.A. Majasan. Education, Ibadan.

374 (Na-7502) Changing /Moral Values/ with Special Reference to the Ibo in /Nigeria/.
(1971-?). O.A. Nduka. Education, Ibadan.

375 (Na-7502) /History/ of /Muslim Education/ in /Nigeria/.
(1971?). G.O. Gbadamosi. African Studies, Lagos.

376 (Na-7521) Approach to /Religious Education/ in /Nigeria/n /Secondary Schools/.
/Doctoral thesis/ on /curriculum development/ and /teaching/. (1973). C.O. Akinwusi. Education, Columbia.

377 (Na-7521) /Religious Education/ in South/Wales/and Western /Nigeria/.
/Comparative analysis/ of /moral values/ among /secondary school students/, tracing /educational history/ and /sociocultural patterns/. Proposes to develop plans for /teaching/ religion based on moral education in Western Nigeria. (?-1973). M.A. Orebajo. Cardiff.

378 (Na-7522) Nature and Structure of Moral Instruction in Western State /Nigeria/.
/Curriculum research/ to determine if /moral values/ are taught in the /secondary schools/ and if so what /teachers/ believe should be included in the fields of /religion/, /civics/, /history/ and /literature/ and any other subjects. (1971-1973?). Funding: Ife Development Funds. J.A. Akinpelu. Education, Ife.

SENEGAL

379 (Sn-7244) /Middle School/ and Middle-Level Training in /Senegal/.
Study of /students/ and /youth/ following formal and /non-formal education/ routes in Senegal. (1973-?). B. Madi Cisse. Délégation Générale de la Promotion Humaine, Bureau du President, Dakar, Senegal.

380 (Sn-5336) /Comparative Analysis/ of /Cost Effectiveness/ in /Preservice Education/ of /Secondary School Teachers/ in /Universities/ and in Specialized /Teacher Colleges/.
Study deals with two institutions in Dakar, /Senegal/. (1972-1973). Carried out by BREDA on behalf of UNESCO. Study to be used by UNESCO and IBRD for selection of priority projects. B. Kamian. BREDA.

SIERRA LEONE

381 (SL-1101) Study of the /Relationship/ Between the Parallel Development of /Teacher Education/ Programmes and the Establishment of Comprehensive Indigenous /Culture/-Related /Primary School/ and /Secondary School/ Systems in /Sierra Leone/.
/Doctoral thesis/ on /indigenous education/. (1969-1970). A.S.M. Jah. Education, California.

382 (SL-4102) Harris-Goodenough Draw-A-Man /Test/ in Another Cultural Setting.
To investigate the usefulness of the test as a measure of /intellectual development/ among /Sierra Leone/an /students/. Comparisons made with standardized groups in the /United States/. Comparison of Draw-a-Man Test results with both Stanford Binet and /teacher/-made tests. Conclusions: Draw-a-Man test has highest correlation with Stanford Binet tests of reasoning and spatial /aptitude/. It can be used as a predictor of academic achievement for first three primary years. No relationship between scores on this test and marks for teacher-made tests above Class III. (1968-1971). Publication: "The Draw-a-Man Test as a Predictor of Academic /Achievement/. *West African Journal of Educational and Vocational Measurement*, I, (February, 1973), 20-27. B. Ohuche and M.M. Ohuche. Njala.

383 (SL-4103) /Relationship/ Between Selective Entrance Examination Scores and /Secondary School/ Academic /Performance/.
To examine current procedures for /selection/ of /students/ for /admission/ into /Sierra Leone/. /Comparative analysis/ of scores in selection entrance /test/ and those in specially made examinations in /English/, /mathematics/, /social studies/ and general /science/. (1970-1971). Funding: WAEC. S.S.A. Akeju. TEDRO/WAEC.

384 (SL-4401) /Cognitive Development/ among the /School Age Population/.of the Temne of /Sierra Leone/.
/Doctoral thesis/. (1971-1972). A.I. Kamara. Education, Illinois.

385 (SL-4521) Proposal for the Organization and Development of /Guidance Services/ in /Sierra Leone/ /Secondary Schools/.
/Doctoral thesis/. (1972). A. Akinsulure. Education, Columbia.

386 (SL-5202) /Group Norms/ and /Attitudes/ toward /Child Centered Learning/, /Activity Learning/, Improvisation, and Utilization of Local Materials for /Instructional Innovation/.
/Questionnaires/ submitted to /primary school/ and /secondary school/ teachers/, /parents/, and students at /teachers colleges/ to ascertain attitudes towards specific new /teaching techniques/ and to develop attitude /instruments/. (1971-1974). J.A. Cole. Science Curriculum Development Centre, Njala.

SIERRA LEONE (continued)

387 (SL-5221) Interest-Initiated /Teaching/ at the /Lower Secondary School/ Level in /Sierra Leone/.
/Doctoral thesis/. (1970-1971). M.J.A. Cole. Education, Illinois.

388 (SL-5223) Investigation into the Present State of /Geography/,/Teaching/ in Provincial /Secondary Schools/ in /Sierra Leone/.
After assessing the present state of facilities for teaching geography, to assist the department in offering an advisory service to the /schools/.
(1971). S.F. Taylor. Geography and Environmental Studies. Njala.

389 (SL-6102) Influences of Kiro (/Creole/) on the Writing of /English/ of /Students/ of Western /Sierra Leone/. (See also 390.)
(1973-?). N.D.J. Smart. Education, Fourah Bay, Sierra Leone.

390 (SL-6122) Influence of Krio on the /Writing/ in /English/ /Language/ of Western Area /Sierra Leone/ /Students/.
Study of /second language instruction/ based on a /sampling/ of Krio-speaking /secondary school students/. (1973-?). N.D.J. Smart. Education, Fourah Bay, Sierra Leone.

391 (SL-6223) Core Course /Integrated Science/, /Sierra Leone/.
Development and /curriculum evaluation/ of trial-tested /instructional materials/ providing support for /teachers/ and demanding a minimum of imported materials and /equipment/. Designed for /lower secondary school/ /science instruction/. Trials in /sampling/ of fifteen nationwide /schools/. (1971-1975). Funding: Institute of Education; Ministry of Education; British Council, ODA, UK; and CEDO, London. O.R. Hill, V.O.I. Johnson, S.T.P. Bundu, A.C. O'Brien. Education, Sierra Leone.

392 (SL-6224) /Social Studies/ Curriculum Development/ for /Secondary Schools/.
/Survey/ and /curriculum planning/ for purpose of introducing a new social studies /programme/ into /Sierra Leone/ on secondary schools. Will determine concepts, skills, and /attitudes/ to be developed in /students/, help /teachers/ understand purpose of new curriculum, and produce materials for /teaching/. Funding: Ministry of Education, Sierra Leone and IDA Loan. M.T.A. Lucan(Mrs). Ministry of Education and Institute of Education, Sierra Leone.

393 (SL-7402) Collection of Folk Tales of various /Ethnic Groups/ and Their Use in the /Education/ of /Children/ in /Sierra Leone/.
(1973-?). J.I. Hyde. Institute African Studies, Fourah Bay, Sierra Leone.

TOGO

394 (Tg-1431) /Training/ and /Professional Associations/ in /Togo/.
/Doctoral thesis/. (1972-?). T. Selado. Sociologie, EPHE.

395 (Tg-6302) Ethnographic /Films/ Based on Oral Traditions and the Development of the /Education/al Uses of Such Films.
(1973-?). B. Tossou. Institut National de Recherche Scientifique, Lomé.

396 (Tg-7101) /Educational Experience/ of the /Togo/lese people under German and French Rule and at Present, and Suggestions for /Educational Reform/.
(1973-?). K.L. Houenassou (Mrs), and A.Tav. Institut National de Recherche Scientifique, Lomé.

UPPER VOLTA

397 (UV-7001) /Relationship/ between the Accumulation of /Capital/, /Political Power/, and /Knowledge Level/ in /Upper Volta.
/Doctoral thesis/. (1973-?). Y. Diawara. Education, Paris X.

398 (UV-7441) /Traditional Education/ among the Mossi of /Upper Volta/.
/Doctoral thesis/. (1971-?). L. Bilghe. Sociology, EPHE.

ZAIRE

399 (Zr-3441) Gap between /Training/ and /Employment/: an Exploratory Study of /Unemployment/ in Lubambashi, /Zaire/.
/Doctoral thesis/. (1973-?). Funding: AASC. B. Kotati. African Studies, Michigan State.

400 (Zr-4212) /Readiness/ of /Zaire/an /Students/ to Enter /Primary School/.
/Learning readiness/. (1972). B. Mbokoliahwe and Lumaka-LuaYansenga. CRIDE, UNAZA, Zaire.

401 (Zr-4301) /Socialization/ and /Personality Development/ of /Children/ among the Baluba of Kasai, /Zaire/
/Doctoral thesis/. (1970). D. Kabamba-Monto-Krieto. Paris X.

402 (Zr-4401) /Mental Development/ of /Deaf/ and Dumb /Children. /Zaire/.
/Special education/. (1970). A. Malanda. Economic, Social and Political Sciences, Louvain.

403 (Zr-4402) /Cognitive Processes/, Categorization, /Conceptualization/: Kinshasa and Congo Central Province, /Zaire/.
/Doctoral thesis/, /field studies/ and questionnaires/ (1969-1971).. J. Kanga, A. Malanda, H. Kamba, A. Ngalo, G. Pambu, A. Tshimanga, M. Magundu. Sciences Psychologiques et Pédagogiques, UNAZA.

404 (Zr-4412) /Cognitive Development/ of /Zaire/an /Infant/.
/Psychology/. (1972). M. Kalemba-Vita. CRIDE, UNAZA.

405 (Zr-4412) Identification of Images by /Zaire/an /Children/ from Three to Six Years.
(1972). Mbuvi-Mizeka and Mukendi wa Meta. CRIDE, UNAZA.

406 (Zr-4412) /Psychomotor Skills/ and Development of the /Zaire/an /Infant/.
(1973-?). Mbuvi-Mizeka. UNAZA.

407 (Zr-5202) Evolution of Basis /Learning/ in /Arithmetic/ and /French/.
/Mathematics/ and /Language/ /Teaching/. (1972-?). M. Bamwisho. CRIDE, UNAZA.

408 (Zr-5202) Perfecting /Reading/ by the Technique of /Rapid Reading/, /Zaire/.
(1972-?). M. Bamwisho. CRIDE, UNAZA.

ZAIRE (continued)

409 (Zr-5202) Psychopedagogy of /French/ /Language/ /Teaching/ to /Francophone Africa/n /Students/. /Psychology/ and /Pedagogy/. (1972-?). Lumeka-Lua-Yansenga. CRIDE, UNAZA.

410 (Zr-5222) Perfecting a Strategy of Systematic /Learning/ and Control of /Behaviour/ in /Teaching/ in the /Zaire/an /Secondary School/ as the Most Effective Means of /Training/ and /Retraining/ /Teachers/.
/Psychology/. (1972-?). M. Bamwisho and E. Bayer. CRIDE, UNAZA.

411 (Zr-6102) Influence of the /Mother Tongue/ /Language/ on /Performance/ on /Intelligence Tests/, Kinshasa, /Zaire/.
/Documents/, /statistical data/. (1971-1973). E. Bikayi. Sciences Psychologiques et Pédagogiques, UNAZA.

412 (Zr-6112) A /Comparative Analysis/ of the /Fundamental Concepts/ of /Reading/, /Writing/, and /Arithmetic/ Between Three Groups of First Year /Primary Students/ in Kinshasa,/Zaire/. (One Taught in /French/, One in Lingala--/Mother Tongue Instruction/ -- and The Third with Mixed /Instruction/.)
/Doctoral thesis/. (1971-1973). R. Verbeke, G. Kabengele, M. Chimah. Sciences Psychologiques et Pédagogiques, UNAZA.

413 (Zr-6341) /Television/, Functional /Literacy/, and /Youth Unemployment/ in Kinshasa, /Zaire/.
/Doctoral thesis/. (1971). V. Makuth. Paris V.

414 (Zr-7001) Education and Society in Change: /Socio-economic Background/ of Change in Society in a Region of /Zaire/.
Proposed study of /cultural factors/ and /socio-cultural patterns/, and how their change affects the /schools/ in both end product and /student/ composition. Based on figures of school attendance and an analysis of different influences in the schools. /Doctoral thesis/. (1971-?). A. Mungala-Sanzong. EPHE.

415 (Zr-7221) Exploratory Study of /Achievement/ and /Attitudes/ of /Secondary School Students/ in the Congo (Zaire): an Aspect of /Socialization/ for /National Development/.
/Doctoral thesis/. (1971-1972). R.V. Youdi. Education, Stanford.

416 (Zr-7342) Study of /Acculturation/ in an /Industry/al /Environment/ among the /Zaire/an /Working Class/.
(1972). M. Muhongu and J. Gaussin. CRIDE, UNAZA.

Abashiva, Christopher Shu'aibu. PhD Education, Ohio, 1970-1971. 299(Na-4531).
Abdulaziz, M. Senior Lecturer, Chairman of Department, Linguistics, Nairobi. 66(Kn-6102).
Abiri, John, O.O. Senior Lecturer, Educational Psychology, Mother-tongue Methodology, Ibadan. BA London, MED Birmingham, PGCE, PhD Ibadan. 279(Na-4302), 293(Na-4508), 309(Na-5211).
Adamu, G.M. Economics, Cape Coast. 182(Gh-1332).
Adaralegbe, Adeniji. Senior Lecturer and Acting Head of Department, Education, Ife. BA Ed Nsukka, MA, PhD NYU, Teachers Certificate Zaria. 337(Na-6213), 339(Na-6214).
Adejunmobi, Samuel Adeboye. Senior Lecturer, Education, Ibadan. PhD Education, Ibadan, 1972. 308(Na-5211).
Ademuwagun, Zacchaeus A. Health Education Specialist, Lecturer, Education, Lagos. PhD. 304(Na-4622), 305(Na-4622), 306(Na-4632).
Adeosun, D.O.O. PhD Candidate, Educational Studies, Edinburgh. 251(Na-3201).
Aderinlewo, Dune. Assistant Principal, Comprehensive High School, Aivetoro, Western State, Nigeria. PhD Science Education, Harvard, 1972. 352(Na-6224).
Adesina, Sylvester A. EdD Educational Administration, Teachers College, Columbia, 1973. 234(Na-1101).
Adetunji, E.O. PhD Candidate, Education, Ibadan, 1973. 360(Na-7101).
Adeyinka, A. Ade. Lecturer, Ibadan. PhD Ibadan, 1973. 269(Na-4122), 363(Na-7102), 366(Na-7122), 367(Na-7124).
Adeyinka, J.A. Graduate Assistant, Education, Ife. 288(Na-4442).
Adu-Ampoma, S.M. Project Director, Project for Science Integration, Ghana Association of Science Teachers. 210(Gh-6206).
Adwere-Boamah, Joseph. PhD Education, California, Berkeley, 1970. 8(Af-3231).
Afolayan, A. Lecturer (English as a Second Language), Education, Ife. PhD English, London. 333(Na-6204).
Agadzi, M.A. 190(Gh-4222).
Agard, John. Lecturer, Education, Makerere. Diploma Ed, East Africa, PE and BEd W. Australia. 131(Ug-5333).
Agbasi, F.C.N. Senior Lecturer and Acting Head of Vocational Education, Nigeria, Nsukka. 354(Na-6233).
Agbebi, O. PhD Candidate, Science Education, Purdue, on leave from CESAC, Lagos, where he is Research Assistant. 353(Na-6224).
Agbenyega, Christian Ofoe. PhD Education, Syracuse, 1971-1972. 211(Gh-6211), 215(Gh-6341).
Agboro, A.A. Testing Officer, Aptitude Testing Department, TEDRO/WAEC. 163(WA-4103).
Agyarman, D.K. Lecturer, Sociology, Cape Coast. PhD Candidate, Munich. 193(Gh-4322), 219(Gh-7201).
Aja, K.A. University of Nigeria, Department of Psychology, Nsukka, Nigeria. 291(Na-4502).
Ajimoko, Ignatius Olusola. Research Fellow, Education, Ibadan. PhD Education, Ibadan, 1973. 344(Na-6222).
Aka, Bonny. Researcher, Institut des Recherches Pédagogiques, Abidjan. 224(IC-5004).
Akeju, Simeon Sunday Akinsda. Principal Research Officer, Test and Development Research Office, West African Examinations Council. PhD Southern California, 1970. 160(WA-2206), 161(WA-4003), 164(WA-4103) 166(WA-4123), 188(Gh-4103), 245(Na-2231), 383(SL-4123).
Akinnelu, Jones Adelayo. Lecturer, Education, Ife. PhD Philosophy and Social Science, Teachers College, Columbia, 1970. 358(Na-7002), 378(Na-7522).
Akinsulure, Akin. EdD Guidance and Secondary Education, Teachers College, Columbia, 1972. 385(SL-4521).
Akinwusi, Claudius Olayinka. EdD Curriculum and Teaching Teachers College, Columbia, 1973. 376(Na-7521).
Aknabio, U.H. Research Fellow, TEDRO/WAEC. 272(Na-4133).
Akpeke, C.A. Sociology and Anthropology, Nigeria, Nsukka. 247(Na-2502).
Alafe-Aluko, Michael O. PhD Candidate, Educational Administration, Washington University, on leave from Ministry of Education, Western State, Nigeria. 233(Na-1024).
Alagoa, J. Research Fellow, Institute of African Studies, Ibadan, specialist in Ijaw. 328(Na-6114).
Alivu, M. Yahya. Secretary, Institute of Education, Ahmadu Bello. 342(Na-6214).
Amalaha, B.M. Education, Nigeria, Nsukka. 260(Na-4002), 276(Na-4212), 277(Na-4222).
Amatu, H.I. University of Nigeria, Nsukka, Nigeria. 292(Na-4502).
Andahwa, Elijah Sinia. Education, Nairobi. 330(Kn-6202).
Antwi, M.K. Lecturer. Department of Education, Cape Coast BA London, Diploma Education, Guidance Munich, Diploma Education, MA London. 200(Gh-5202), 217 (Gh-7102)
Arve, J.R. TEDRO/WAEC. 246(Na-1004).
Asiedu-Akdrofi E. Lecturer, Curriculum Development, Cape Coast, Ghana. BA Diploma Ed London, EdD Education Columbia University, 1969-1970. 180(Gh-1131), 194(Gh-4402), 201(Gh-5214), 202(Gh-5214).
Asiedu, R. Overseas Fellow in Ghana, Institute of Education, Keele, 1970-1971. 14(Af-6224).
Assemian, Assobor. Researcher, Institut des Recherches Pédagogiques, Abidjan. 224(IC-5004).
Assuon, B. Council for Intersocial Studies, Northwestern. 217(Gh-7102).
Awa, E.O. Political Science, Nigeria, Nsukka. 370(Na-7232).
Awoniyi, Timothy Adedeju. Assistant Lecturer, Education, Ibadan, Nigeria. PhD Ibadan, Education, 1971. 321(Na-6101), 327(Na-6104).
Awudetsey, Samuel Awuku. Ed.D. Curriculum and Teaching, Columbia, 1971. 204(Gh-5331).
Awuku, K.A. Co-Chairman, Curriculum Development Committee, Project for Science Integration, Ghana Association of Science Teachers. 210(Gh-6206).
Avalemo, Kanno. Assistant Professor, Education, Haile Sellassie I. 47(ET-6342).
Ayisi, C.N. Lecturer, Education, Cape Coast. BA Diploma Ed MA, PhD London. 192(Gh-4302), 195(Gh-4402), 196(Gh-4402).
Azango, Bertha Baker. Ministry of Education. 229(Lb-6224).
Bah, A. PhD Candidate. Sciences de l'Education, Institut Africain de Genève, 1971-1972. 158(WA-1001).
Baikie, D.A. Education, Ahmadu Bello. 243(Na-2202), 246(Na-2232), 302(Na-4602), 355(Na-6342).
Bajah, S.T. International School, Ibadan. 277(Na-4222), 345(Na-6222).
Bakare, Christopher, G.M. Lecturer, Educational Psychology, and Director, Behavioural Sciences Research Unit (BSRU), Ibadan. 13(Af-6213), 265(Na-4103), 266(Na-4103), 270(Na-4123), 274(Na-4212), 276(Na-

4212), 278(Na-4302), 285(Na-4412), 287(Na-4412), 293(Na-4506), 318(Na-5522).
Bakri, Abdullahi. PhD Education, Missouri, 1971-1972. 46(Et-6201).
Balogun, D.A. Lecturer, Education, Ahmadu Bello. 264(Na-4102).
Balogun, T.A. Senior Lecturer, Education, Ibadan. 311(Na-5222).
Bame, K.N. Research Fellow, Sociology, Ghana. 199(Gh-5014)
Bamwisho, Mihia. CRIDE, UNAZA, Former Doyen, Faculté des Sciences Psychologiques et Pédagogiques, UNAZA. 407(Zr-5202), 408(Zr-5202), 410(Zr-5222).
Bannaga, A.M. PhD Wisconsin, Madison, 1969. 87(Sd-6331).
Barros N'Singi, Pierre. PhD Candidate, Science de l'Education, Institut Africain de Genève, 1971-1972. 231(MI-6341).
Bassa Kwansa, K. School of Education, Cape Coast. 184(Gh-3102), 191(Gh-4232), 198(Gh-5002), 213(Gh-6302).
Bekombo-Priso, Manga. Chargé de Recherches, CNRS, Douala, Cameroun. 167(WA-4312).
Besha, M.R. (Miss). Institute of Education, Dar-es-Salaam. 103(Tz-7213).
Bestman, Lawrance, PhD Candidate, Education, Pittsburgh. 159(WA-1031).
Bidmus, M.K. Institute of African Studies, University of Ibadan, Nigeria. 323(Na-6102).
Bigala, John Cryzostom. Institute of Education, Makerere Executive Secretary, ATEA Eastern Regional Council, Nairobi, Kenya. EdD Curriculum and Teaching Teachers College, Columbia, 1971. 138(Ug-6202), 145(Ug-7201).
Bikayi, E. Faculté des Sciences Psychologiques et Pédagogiques, UNAZA. 411(Zr-6102).
Bilghe, L. Candidate 3ème Cycle, Sociology, Ecole des Hautes Etudes, VI, Paris, France. (M. Mercier, supervisor). 398(UV-7441).
Blay, Sammy K. PhD Sociology, Wisconsin, 1973. 186(Gh-3201).
Boateng, F.Y. PhD Candidate, International Education, Southern California, 1973. 179(Gh-1121).
Boma, Alaric Nikut. PhD.Education, Cornell, 1970-1971. 174(Cm-6211).
Bortei-Doku, S. Co-Chairman, Curriculum Development Committee, Project for Science Integration, Ghana Association of Science Teachers. 210(Gh-6206).
Bukhala, James Ashiono. PhD Education, Syracuse, 1969-1970.. 71(Kn-6401).
Bundu, S.T.P. Curriculum Worker, Curriculum Revision Unit, Education, Sierra Leone. 391(SL-6223).
Chimah, Madeleine. Candidate Doctor of Education, Faculté des Sciences Psychologiques et Pédagogiques, UNAZA. 412(Zr-6112).
Chinebuah, I.K. MA London. 207(Gh-6122), 209(Gh-6122).
Cole, Magnus, J.A. Director, Science Curriculum Development Centre, Njala, Sierra Leone. PhD Education, Illinois, 1970-1971. 17(Af-0403), 382(Af-5221), 386(SL-5202).
Darge Wole. Graduate Assistant, Educational Psychology, Haile Sellassie. 44(Et-5002).
Datta, D. PhD Education, Zambia. 155(Zb-6123).
Diawara, Y. Candidate, 3ème cycle, Education, Paris X, (Nanterre). 397(UV-7001).
Dolphyne, F. Linguistics, Ghana. 208(Gh-6122).
Drewal, Henry, John. PhD Candidate, Art, Columbia, 1973-?. 372(Na-7401).
Durojaiye, M.O.A. Professor and Head of Department of Educational Psychology, Makerere. DCL(Hons.) BA(Hons.) Psychology, Diploma of Educational Psychology (Child Guidance), MA PhD Psychology, Manchester. 122(Ug-4312), 123(Ug-4322), 128(Ug-4523), 133(Ug-5505).
Durojaiye, S.M. (Mrs). Lecturer, Language Methods, Makarere. 136(Ug-6122), 143(Ug-6422).
Duruji, C.A. Nigeria, Nsukka. 329(Na-6122).
Dzobo, N.K. Lecturer, Advanced Study of Education, Cape Coast. 220(Gh-7202), 222(Gh-7543).
Ebeze, Stephen, O., Intramural Sports Organizer, Health and Physical Education, Nigeria, Nsukka. 303(Na-4602).
Edem, D.A. Lecturer, Faculty of Education, Ahmadu Bello. BA MSc PhD.
Edoknayi, S.I. Head of Manpower and Training Unit, Human Resources Development Section, ECA. 5(Af-3106), 6(Af-3202), 7(Af-3226).
Ego, C. Political Science, Nigeria, Nsukka. 370(Na-7232).
Eke, Elizabeth I. Education, Nigeria, Nsukka. 260(Na-4002), 283(Na-4402), 297(Na-4523).
Ekpenyong, Atim Etududo. EdD Brigham Young, 1970. 310(Na-5221).
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Eligwe, O.I. PhD Candidate, Education, Howard, 1973-1977. 241(Na-2101).
Emeruwa, Hart Nnabuko, EdD.Education, Indiana, 1970. 371(Na-7401).
Esen, Akpan Johnston. EdD Student Personnel Administration, Higher and Adult Education, Teachers College, Columbia, 1972. 300(Na-4531).
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Ganu, A. Abidjan. 226(IV-6122).
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Mudambi, S. Psychology, Nigeria, Nsukka. 284(Na-4412).

Muhongu, Muzula. CRIDE, UNAZA. 418(Zr-7342).

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Obanya, Pius A.I. PhD Education, Ibadan, 1973. 263(Na-4102), 315(Na-5402), 320(Na-6101), 322(Na-6102), 326(Na-6102).

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Tilahun, Gomta. Assistant Professor, Assistant Dean, Education, Haile Sellassie I,BA, Haile Sellassie I, MA, Colorado State. 43(Et-3202).

Tossou, B. Sociologist, Institute National de Recherche Scientifique, Lome. 395(Tg-630?)

Tshimanga, A. Licence Candidate, Sciences Psychologiques et Pédagogiques, UNAZA. 403(Zr-4402).

Ubahakwe, E. Lecturer, English, Nigeria, Nsukka. 324(Na-6102).

Ubamadu, Hyacinth Oziri. EdD Education, Kansas, 1971. 170(WA-6201).

Uchendu, V.C. Professor, African Studies, Illinois, Urbana, Formerly Head, Makerere Institute of Social Research, Kampala, Uganda to 1971. 109(Ug-2112).

Udoh, E. Lecturer, Institute of Education, Ahmadu Bello, PhD. 339(Na-6214).

Uka, N. Education, Nigeria, Nsukka. 260(Na-4002).

Ukpong, M.B. Political Science, Nigeria, Nsukka. 370(Na07232).

Ukpaby, E.N. Dean, Student Affairs, University of Nigeria, Nsukka, Sociologist. 235(Na-1102).

Unegbu, Romanus Okeke. PhD Education, Catholic University, 369(Na-7231).

Unoh, S.O. PhD Candidate, Education, Ibadan. 325(Na-6102).

Wakatama, N.A. PhD Education, London, 1970. 31(EA-6301).

Wamai, Monia. Research Assistant, Child Development Research Unit, Nairobi. 60(Kn-4212).

Wandira, A. Vice Chancellor, Makerere, former Professor and Head, Department of Education, Makerere, and Dean, Faculty of Education, Kampala, Uganda. BA, London, Diploma of Education, East Africa, Advanced Diploma of Education, London, MA Ed, London. 108 (Ug-1134), 132(Ug-6303), 142(Ug-5333).

Wangome, L. Child Development Research Unit, Nairobi. 58(Kn-4012).

Wassanyi, J. Education, Makerere, Uganda. 140(Ug-6222).

Welbeck, Paa-Bekoe Henry Obed. PhD Communications, Michigan State, 1971. 212(Gh-6301).

Wilson, Thomasyne Lightfoote (Liberian). PhD, Education, Stanford, 1970-1971. 228(Lb-5201

Yaya, Goureh. UNESCO National Director, Institute des Recherches Pedagogiques, Abidjan. 224(IC-5004).

Yoko, Placide. Candidat d'Etat, Law, FDSE, Paris II. 1(Af-1001).

Yoloye, E.A. Professor, Education, Ibadan. 11(Af-5106), 249(Na-3112), 257(Na-4302), 267(Na-6213).

Youdi, Robert V. PhD Education, Stanford, 1971-1972. 415(Zr-7221).

Zago, Cabi. Researcher, Institut de Rec'erches Pedagogiques, Abidjan. 224(IC-5004).

Zahradeen, Muhammed Sani. Assistant Lecturer, Islamic Studies, Ahmadu Bello. PhD Candidate, African Studies, London. 171(WA-7301).

Zaudneh Yimtatu, PhD Candidate, Educational Administration, Wisconsin; Assistant Professor, Education, HSIU. BA, Education, Haile Sellassie I, 1960; MA, Educational Administration, Nebraska, 1964. 40(Et-1124), 41(Et-2002).

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AASC. See African-American Scholars Council.

ABC/ABU. (Abdullahi Bayero College) See Ahmadu Bello University.

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Linguistics. 225(IC-61-2).

ABU. See Ahmadu Bello University.

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African Association of Correspondence Educators. c/o Correspondence Unit, University of Nairobi, Nairobi, Kenya. 16(Af-6346).

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School of Basic Studies. History Department. 365(Na-7122).

Alberta University, Edmonton, Alberta, Canada.
Educational Foundation. 89(Tz-1144).

Association for Teacher Education in Africa (ATEA).
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Western Regional Council (WACTE). West African Council for Teacher Education. University of Lagos College of Education, Yaba, Lagos, Nigeria.
11(Af-5106).

ATEA. See Association for Teacher Education in Africa.

ATTC. See Advanced Teacher Training College.

Berkeley. See California University.

BREDA. (Bureau Regional pour l'Education en Afrique). See UNESCO.

Brigham Young University. Provo, Utah 84601.
Education 310(Na-5221).

California. (Berkeley) University. Berkeley, California 94720.
Education. 8(Af-3231), 38(SL-1101).

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Language. 205(Gh-6101).

Cameroun. Université Fédérale. B. P. 337, Yaoundé Cameroon.
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Cape Coast. University. Cape Coast, Ghana.
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Carnegie Corporporation of New York. 437 Madison Avenue, New York, N.Y. 10022. 11(Af-5106), 60(Kn-4212), 65(Kn-4412), 335(Na-6212), 338(Na-6213).

Catholic University of America. Washington, D.C. 20017.
Education. 75(Kn-7121), 369(Na-7231).
Religion. 19(Af-7501).

CEDO. See Center for Educational Development Overseas.

Centre for Educational Development Overseas (CEDO).
Tavistock House South, Tavistock Square, London WC 1H 9LL, U.K. 210(Gh-6206), 391(SL-6223).

Centre for Applied Linguistics. Washington, D.C. 154(Zb-6104).

Centre National de la Recherche Scientifique.
Laboratoire d'Ethnologie et de Sociologie Comparative. Paris X, Nanterre, France; with branch in Douala, Cameroon. 167(WA-4312).

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CIDA. See Canadian International Development Agency.

CNRS. See Centre National de la Recherche Scientifique.

Columbia University. New York, N.Y. 10027.
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Comparative Education Study and Adaptation Centre (CESAC). c/o University of Lagos, Lagos, Nigeria.
255(Na-3203), 350(Na-6224), 351(Na-6224), 353(Na-6224).

Cornell University. Ithaca, N.Y. 14850.
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CRIDE. See Zaire. Université.

CUDIMAC. (Curriculum Development Information and Materials Centre). See Nigeria. University.

Curriculum Development Information and Materials Centre (CUDIMAC). See Nigeria. University.

Dar-es-Salaam. University. P.O. Box 35094, Dar-es-Salaam, Tanzania.
Education. 27(EA-4502), 90(Tz-2502), 97(Tz-6223), 98(Tz-6223), 102(Tz-7202).

Délégation Générale de la Promotion Humaine (DGPH).
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ECA. See Economic Commission for Africa.

Economic Commission for Africa (ECA). Ethiopia.
Manpower and Training Unit, Human Resources Development Section. 5(Af-3106), 6(Af-3202), 7(Af-3226).

Ecole Pratique des Hautes Etudes (EPHE).
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Edinburgh. University. Old College, Edinburgh, EH8 9YL, Scotland, U. K.
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FDSE. (Faculté de Droit et Sciences Economiques). See Paris. Université. II.
FLSH. (Faculte des Lettres et Sciences Humaines). See Paris. Université.
Ford Foundation. 320 E. 43rd Street, New York, N.Y. 10017. Regional offices in tropical Africa are located in Lagos (with a suboffice in Abidjan) and Nairobi. 30(EA-6104), 40(Et-1124), 154(Zb-6104), 169(WA-6126), 233(Na-1024), 239(Na-1304), 252(Na-3203), 259(Na-3503), 268(Na-4116), 327(Na-6114), 348(Na-6223), 349(Na-6224), 350(Na-6224), 351(Na-6224), 352(Na-6224), 353(Na-6224).
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Ghana Association of Science Teachers. (GAST). Ministry of Education, P.O. Box M.45, Accra. 210(Gh-6206).
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Faculty of Education. 37(Et-1002), 38(Et-1004), 40(Et-1124), 41(Et-2002), 42(Et-2002), 43(Et-3202), 44(Et-5002), 47(Et-6342).
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Institut des Recherches Pédagogique (IRP). Abidjan, Ivory Coast. 224(IC-5004).
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Institute of Development Studies, Nairobi (IDS/Nairobi). See Nairobi. University.
Institute of Development Studies, Sussex (IDS/Sussex). See Sussex. University.
International Centre for Educational Evaluation (ICEE). See Faculty of Education, Ibadan, University.
International Development Association (IDA), of the International Bank for Reconstruction and Development (IBRD). 1818 H Street, N.W., Washington, D.C. 20433 USA. 392(SL-6224).
International Extension University. c/o Institute of Community Studies, Cambridge University, Cambridge, England, U.K. 16(Af-6346).
Iowa State University. Ames, Iowa.
Agricultural Education. 259(Ng-3503).
Ivory Coast. Programme d'Education Télévisuelle, Bouaké, Ivory Coast. 227(IC-6304).
Kansas. University. Lawrence, Kansas 66044. 170(WA-6201).
Keele University. Keele, Stratfordshire ST5 5BG, England, U.K.
Institute of Education. 14(Af-6224).
Kenya Institute of Education (KIE). Nairobi, Kenya. 61(Kn-4213), 62(Kn-4214), 63(Kn-4214), 68(Kn-6213).
Khartoum. University. P.O. Box 321, Khartoum, Sudan.
Political Science 88(Sd-7201).
KIE. See Kenya Institute of Education.
LAEA. See Language Association of Eastern Africa.
Lagos. University. Yaba, Lagos, Nigeria.
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Language Association of Eastern Africa (LAEA). c/o Dar-es-Salaam. University. Dar-es-Salaam, Tanzania. 30(EA-6104), 154(Zb-6104).
Laval. Université. Cité Universitaire, Québec 10, Canada. 172(Cm-4401).

Leeds. University. Leeds, LS 2 9JT, England, U.K.
English. 206(Gh-6102).
Institute of Modern English and Language Studies. 173(Cm-6101).
Philosophy. 83(Sd-1101).
Liberia. University. Monrovia, Liberia.
Faculty of Education and Teachers' Training College. 229(Lb-6224).
London. University. London, W.C.1, U.K.
Institute of Education. 31(EA-6301), 312(Na-5301)
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Louvain. Université Catholique. 4 Rue Kraken, 3000 Leuven, Belgium. 402(Zr-4401).
Makerere University. Kampala, Uganda. 28(EA-5344).
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Sociology. 124(Ug-4402), 126(Ug-4402).
Malawi. University. Blantyre, Malawi.
Chancellor College. Human Behaviour Department. 78(Mw-2532).
Massachusetts. University. Amherst, Massachusetts. 290(Na-4501).
Michigan State University. East Lansing, Michigan 48823
African Studies. 399(Zr-3441).
Communications. 212(Gh-6301).
Missouri. University. Columbia, Missouri 65201.
Education. 46(Et-6201).
Nairobi. University. Nairobi, Kenya.
Faculty of Education and Child Development Research Unit now part of East African Acadamy, P.O. Box 30756, Nairobi.
52(Kn-2202), 53(Kn-2502), 55(Kn-3232), 58(Kn-4012), 60(Kn-4212), 64(Kn-4302), 65(Kn-4412), 67(Kn-6206), 70(Kn-6341), 76(Kn-7412).
Institute of Development Studies (IDS). P.O. Box 30197.
50(Kn-1144), 54(Kn-3204), 56(Kn-3424), 57(Kn-3542).
Linguistics Department. 66(Kn-6102).
NERC. See Nigerian Educational Research Council.
New York University. Washington Square, New York, N.Y. 10003.
Education. 33(EA-7031), 317(Na-5421).
Nigeria. University Nsukka, Nigeria.
Economic Development Institute (EDI). (Enugu Campus) 253(Na-3203).
Faculty of Education (and CUDIMAC). 2(Af-1003), 259(Na-3503), 260(Na-4002), 273(Na-4212), 277(Na-4222), 283(Na-4402), 297(Na-4523), 303(Na-4602), 324(Na-6102), 338(Na-6213), 354(Na-6233).
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Northwestern University. Evanston, Illinois 60201.
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Ontario Institute for Studies in Education. Toronto, Ontario, Canada. 314(Na-5331).
Oregon. University. Eugene, Oregon 94703.
History. 359(Na-7101).
Overseas Development Administration (ODA). London U.K. 391(SL-6223).
Overseas Liaison Committee (OLC). American Council on Education, Washington, D.C. 20036. 56(Kn-3424).
PAID. See Pan-African Institute for Development.
Pan-African Institute for Development (PAID orIPD). B.P. 4056, Douala, Cameroon. 379(Sn-3244).
Paris. Université I (Sorbonne). Paris, France.
Faculté des Lettres et Sciences Humaines (FLSH). 177(Dh-7101).
Paris. Université. II. 12 Place du Panthéon, 75 Paris 5e, France.
Faculté de Droit et Sciences Economiques (FDSE). 1(Af-1001).
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Sheffield. University. Sheffield S10 2TN, U.K. 84(Sd-3021).

Sierra Leone. University. Sierra Leone.
Fourah Bay College Campus, P.O. Box 87, Freetown.
Institute and Department of Education.
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Sierra Leone. University. Njala University College.
Njala, Sierra Leone.
Department of Geography and Environmental Studies. 388(SL-5223).
Science Curriculum Development Centre. 17(Af-6403), 386(SL-5202).
SOAS. See London. University.
Southern California. University (USC). Los Angeles, California.
Center for International Education. 179(Gh-1121).
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Stanford University. Stanford, California 94305.
School of
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Institute of Development Studies (IDS). 54(Kn-3204), 56(Kn-3424).
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Education. 71(Kn-6401), 211(Gn-6211).
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Test Development and Research Office (TEDRO). See West African Examinations Council (WAEC).
UCLA. See California, Los Angeles.
UNAZA. See Zaire. Université.
UNESCO. See United Nations Educational, Scientific and Cultural Organization.
United Nations Educational, Scientific and Cultural Organisation (UNESCO). Place de Fontenoy, 75007, Paris, France.
(See also United Nations, ECA, Addis Ababa and WHO, Geneva). 15(Af-6346), 27(EA-4502), 32(Af-6341), 210(Gh-6206), 224(IC-5004), 227(IC-6304), 244(Na-2203), 293(Na-4506), 328(Na-6114)
Bureau Regional Pour l'Education en Afrique. 12(Af-5306), 15(Af6346), 380(Se-5336).
UNESCO-UNICEF. 340(Na-6214), 341(Na-6214), 342(Na-6214).
United States Agency for International Development (USAID). U.S. Department of State, 320 21st Street, N.W., Washington, D.C. 20523, with country and regional offices located in many parts of Africa.
40(Et-1124), 162(WA-4103), 163(WA-4103), 240(Na-1404), 268(Na-4116), 272(Na-4133), 334(Na-6212, 336(Na-6213).
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West African Examinations Council (WAEC). Test Development and Research Office (TEDRO), Lagos, Nigeria.
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Wisconsin, Madison. University. Madison, Wisconsin 53706.
School of Education, 123 Education Bldg. 28(EA-5344), 32(EA-6341), 40(Et-1124), 238(Na-1304), 349(Na-6224).
Sociology, 8128 Social Science Bldg. 82(Sm-7301), 186(Gh-3201).
WHO. See World Health Organization.
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